

TAITRON

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2007

Semiconductor Catalog

IC •

MOSFET •

Transistor •

Bridge Rectifier •

Rectifier •

TVS •

Schottky •

Diode •

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TAITRON COMPONENTS INCORPORATED, a California company incorporated in 1989, is a global supplier of electronic components, primarily focused on transistors, diodes, discrete semiconductors, optoelectronic devices and passive components with a reputation of in-depth inventories and knowledge of the products it markets. Our "Superstore" strategy consists of carrying a large quantity and variety of components inventories to meet the rapid delivery requirements from our customers. To differentiate from other distributors, we also manufacture electronic components based on our engineering specifications under the brands "TCI" and "PSD". We maintain a majority-owned subsidiary in Mexico and three divisions in each of Taiwan, Brazil and China. Our Mexico and Brazil locations are for regional distribution, sales and marketing purposes and our Taiwan and China locations for supporting our purchasing of components and manufactured products. We own our 50,000 square foot headquarters and main distribution facility located in Valencia, California.

We have also begun providing design and engineering services to support our existing OEM and CEM customers by outsourcing their product design and manufacturing assembly work offshore.

To ensure the best quality products at the most competitive prices, we choose the best product lines among existing suppliers. All products under the "TCI" and "PSD" brands are made according to our own design specifications. With our "one-stop shopping", customers get the most convenient and prompt support from our inside sales, outside sales, internet sales, distributors and local sales representatives.

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- Discrete Semiconductors (Rectifier, Schottky Rectifier, Bridge Rectifier, TVS, Diodes, Transistor)
- Passive Components (Electrolytic Capacitor, Tantalum Capacitor, Film Capacitor, Ceramic Capacitor, Leaded Film Resistor, Chip Resistor, Inductor, Crystal and MOV)
- Opto Devices (Opto Coupler, Through-Hole LED, Surface Mount LED, Infrared LED Lamp, Phototransistor, Photodiode, Light Bar Display, Digit Display, Dot Matrix Display and Interrupters)

Services

- Component Distribution (Inventory and Global Distribution)
- Component Manufacturing (Custom-made Products)
- Component Application (System Integration and Turn-key Solution)



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		SA18A	110	SB1100	114	SB3505	141	SF24	117
		SA18CA	110	SB120	114	SB3505W	142	SF25	117
		SA20A	110	SB130	114	SB351	141	SF26	117
		SA20CA	110	SB1505	140	SB3510	141	SF3001	119
		SA22A	110	SB1505W	140	SB3510W	142	SF3001A	119
		SA22CA	110	SB151	140	SB351W	142	SF3002	119
		SA24A	110	SB1510	140	SB352	141	SF3002A	119
		SA24CA	110	SB1510W	140	SB352W	142	SF3003	119
		SA26A	110	SB151W	140	SB354	141	SF3003A	119
		SA26CA	110	SB152	140	SB354W	142	SF3004	119
		SA28A	110	SB152W	140	SB356	141	SF3004A	119
		SA28CA	110	SB154	140	SB356W	142	SF31	117
		SA30A	110	SB154W	140	SB358	141	SF32	117
		SA30CA	110	SB156	140	SB358W	142	SF33	117
		SA33A	110	SB156W	140	SB360	114	SF34	117
		SA33CA	110	SB158	140	SB360G	134	SF35	117
		SA36A	110	SB158W	140	SB380	114	SF36	117
		SA36CA	110	SB160	114	SB380G	134	SF51	118
		SA40A	110	SB16100CT	115	SB4030PT	116	SF52	118
		SA40CA	110	SB16150CT	115	SB4040PT	116	SF53	118
		SA43A	110	SB1630C	115	SB4050PT	116	SF54	118
		SA43CA	110	SB1630CT	115	SB4060PT	116	SF55	118
		SA45A	110	SB1635	115	SB5100	115	SF56	118
		SA45CA	110	SB1640C	115	SB5150	115	SF61	118
		SA48A	110	SB1645	115	SB520	115	SF62	118
		SA48CA	110	SB1645CT	115	SB530	115	SF63	118
		SA5.0A	110	SB1650	115	SB540	115	SF64	118
		SA5.0CA	110	SB1650C	115	SB550	115	SF65	118
		SA51A	110	SB1650CT	115	SB560	115	SF66	118
		SA51CA	110	SB1660	115	SB580	115	SF81	118
		SA54A	110	SB1660C	115	SB60100PT	116	SF82	118
		SA54CA	110	SB1660CT	115	SB6030PT	116	SF83	118
		SA58A	110	SB190	114	SB6040PT	116	SF84	118
		SA58CA	110	SB190	114	SB6050PT	116	SGL34-20	81
		SA6.0A	110	SB20100CT	116	SB6060PT	116	SGL34-30	81
		SA6.0CA	110	SB20150CT	116	SB6080PT	116	SGL34-40	81
		SA6.5A	110	SB20200CT	116	SBL2030CT	116	SGL34-50	81

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SGL34-60	81	SMAJ6.5CA	71	SMBJ54CA	73	SMCJ45CA	75	SS110	82
SGL41-20	82	SMAJ60A	71	SMBJ58A	73	SMCJ48A	75	SS12	82
SGL41-30	82	SMAJ60CA	71	SMBJ58CA	73	SMCJ48CA	75	SS12B	82
SGL41-40	82	SMAJ64A	71	SMBJ6.0A	73	SMCJ5.0A	75	SS13	82
SGL41-60	82	SMAJ64CA	71	SMBJ6.0CA	73	SMCJ5.0CA	75	SS13B	82
SL12	82	SMAJ7.0A	71	SMBJ6.5A	73	SMCJ51A	75	SS14	82
SL13	82	SMAJ7.0CA	71	SMBJ6.5CA	73	SMCJ51CA	75	SS14B	82
SL22	83	SMAJ7.5A	71	SMBJ60A	73	SMCJ54A	75	SS15	82
SL23	83	SMAJ7.5CA	71	SMBJ60CA	73	SMCJ54CA	75	SS15B	82
SMA4933	89	SMAJ70A	71	SMBJ64A	73	SMCJ58A	75	SS16	82
SMA4934	89	SMAJ70CA	71	SMBJ64CA	73	SMCJ58CA	75	SS16B	82
SMA4935	89	SMAJ75A	71	SMBJ7.0A	73	SMCJ6.0A	75	SS19	82
SMA4936	89	SMAJ75CA	71	SMBJ7.0CA	73	SMCJ6.0CA	75	SS210	83
SMA4937	89	SMAJ78A	71	SMBJ7.5A	73	SMCJ6.5A	75	SS210A	83
SMA5817	82	SMAJ78CA	71	SMBJ7.5CA	73	SMCJ6.5CA	75	SS22	83
SMA5818	82	SMAJ8.0A	71	SMBJ70A	73	SMCJ60A	75	SS22A	83
SMA5819	82	SMAJ8.0CA	71	SMBJ70CA	73	SMCJ60CA	75	SS23	83
SMAJ100A	71	SMAJ8.5A	71	SMBJ75A	73	SMCJ64A	75	SS23A	83
SMAJ100CA	71	SMAJ8.5CA	71	SMBJ75CA	73	SMCJ64CA	75	SS24	83
SMAJ10A	71	SMAJ85A	71	SMBJ78A	73	SMCJ7.0A	75	SS24A	83
SMAJ10CA	71	SMAJ85CA	71	SMBJ78CA	73	SMCJ7.0CA	75	SS25	83
SMAJ110A	71	SMAJ9.0A	71	SMBJ8.0A	73	SMCJ7.5A	75	SS25A	83
SMAJ110CA	71	SMAJ9.0CA	71	SMBJ8.0CA	73	SMCJ7.5CA	75	SS26	83
SMAJ11A	71	SMAJ90A	71	SMBJ8.5A	73	SMCJ70A	75	SS26A	83
SMAJ11CA	71	SMAJ90CA	71	SMBJ8.5CA	73	SMCJ70CA	75	SS29	83
SMAJ120A	71	SMBJ10A	73	SMBJ85A	73	SMCJ75A	75	SS29A	83
SMAJ120CA	71	SMBJ10CA	73	SMBJ85CA	73	SMCJ75CA	75	SS310	84
SMAJ12A	71	SMBJ110A	73	SMBJ9.0A	73	SMCJ78A	75	SS310A	83
SMAJ12CA	71	SMBJ110CA	73	SMBJ9.0CA	73	SMCJ78CA	75	SS32	84
SMAJ130A	71	SMBJ11A	73	SMBJ90A	73	SMCJ8.0A	75	SS32A	83
SMAJ130CA	71	SMBJ11CA	73	SMBJ90CA	73	SMCJ8.0CA	75	SS32B	83
SMAJ13A	71	SMBJ120A	73	SMCJ100A	75	SMCJ8.5A	75	SS33	84
SMAJ13CA	71	SMBJ120CA	73	SMCJ100CA	75	SMCJ8.5CA	75	SS33A	83
SMAJ14A	71	SMBJ12A	73	SMCJ10A	75	SMCJ85A	75	SS33B	83
SMAJ14CA	71	SMBJ12CA	73	SMCJ10CA	75	SMCJ85CA	75	SS34	84
SMAJ150A	71	SMBJ130A	73	SMCJ110A	75	SMCJ9.0A	75	SS34A	83
SMAJ150CA	71	SMBJ130CA	73	SMCJ110CA	75	SMCJ9.0CA	75	SS34B	83
SMAJ15A	71	SMBJ13A	73	SMCJ11A	75	SMCJ90A	75	SS35	84
SMAJ15CA	71	SMBJ13CA	73	SMCJ11CA	75	SMCJ90CA	75	SS35A	83
SMAJ160A	71	SMBJ14A	73	SMCJ120A	75	SMF100A	69	SS35B	83
SMAJ160CA	71	SMBJ14CA	73	SMCJ120CA	75	SMF10A	69	SS36	84
SMAJ16A	71	SMBJ150A	73	SMCJ12A	75	SMF11A	69	SS36A	83
SMAJ16CA	71	SMBJ150CA	73	SMCJ12CA	75	SMF12A	69	SS36B	83
SMAJ170A	71	SMBJ15A	73	SMCJ130A	75	SMF13A	69	SS38	84
SMAJ170CA	71	SMBJ15CA	73	SMCJ130CA	75	SMF14A	69	SS38A	83
SMAJ17A	71	SMBJ160A	73	SMCJ13A	75	SMF15A	69	SS38B	83
SMAJ17CA	71	SMBJ160CA	73	SMCJ13CA	75	SMF16A	69	SS39	84
SMAJ18A	71	SMBJ16A	73	SMCJ14A	75	SMF17A	69	SS39A	83
SMAJ18CA	71	SMBJ16CA	73	SMCJ14CA	75	SMF18A	69	SS39B	83
SMAJ20A	71	SMBJ170A	73	SMCJ150A	75	SMF20A	69	SS510	84
SMAJ20CA	71	SMBJ170CA	73	SMCJ150CA	75	SMF22A	69	SS515	84
SMAJ22A	71	SMBJ17A	73	SMCJ15A	75	SMF24A	69	SS52	84
SMAJ22CA	71	SMBJ17CA	73	SMCJ15CA	75	SMF26A	69	SS53	84
SMAJ24A	71	SMBJ18A	73	SMCJ160A	75	SMF28A	69	SS54	84
SMAJ24CA	71	SMBJ18CA	73	SMCJ160CA	75	SMF3.0A	69	SS55	84
SMAJ26A	71	SMBJ20A	73	SMCJ16A	75	SMF30A	69	SS56	84
SMAJ26CA	71	SMBJ20CA	73	SMCJ16CA	75	SMF33A	69	SS58	84
SMAJ28A	71	SMBJ22A	73	SMCJ170A	75	SMF36A	69	SS59	84
SMAJ28CA	71	SMBJ22CA	73	SMCJ170CA	75	SMF40A	69	SS8050	143
SMAJ30A	71	SMBJ24A	73	SMCJ17A	75	SMF43A	69	SS8050D	143
SMAJ30CA	71	SMBJ24CA	73	SMCJ17CA	75	SMF45A	69	SS8550	144
SMAJ33A	71	SMBJ26A	73	SMCJ18A	75	SMF48A	69	SS8550B	144
SMAJ33CA	71	SMBJ26CA	73	SMCJ18CA	75	SMF5.0A	69	SS8550C	144
SMAJ36A	71	SMBJ28A	73	SMCJ20A	75	SMF51A	69	SS8550D	144
SMAJ36CA	71	SMBJ28CA	73	SMCJ20CA	75	SMF54A	69	SS9011	143
SMAJ40A	71	SMBJ30A	73	SMCJ22A	75	SMF58A	69	SS9012	144
SMAJ40CA	71	SMBJ30CA	73	SMCJ22CA	75	SMF6.0A	69	SS9013	143
SMAJ43A	71	SMBJ33A	73	SMCJ24A	75	SMF6.5A	69	SS9014	143
SMAJ43CA	71	SMBJ33CA	73	SMCJ24CA	75	SMF60A	69	SS9015	144
SMAJ45A	71	SMBJ36A	73	SMCJ26A	75	SMF64A	69	SSH7N90	150
SMAJ45CA	71	SMBJ36CA	73	SMCJ26CA	75	SMF7.0A	69	SSP4N60	150
SMAJ48A	71	SMBJ40A	73	SMCJ28A	75	SMF7.5A	69	SSR3055	96
SMAJ48CA	71	SMBJ40CA	73	SMCJ28CA	75	SMF70A	69		
SMAJ5.0A	71	SMBJ43A	73	SMCJ30A	75	SMF75A	69		
SMAJ5.0CA	71	SMBJ43CA	73	SMCJ30CA	75	SMF78A	69		
SMAJ51A	71	SMBJ45A	73	SMCJ33A	75	SMF8.0A	69		
SMAJ51CA	71	SMBJ45CA	73	SMCJ33CA	75	SMF8.5A	69	T10A05L	130
SMAJ54A	71	SMBJ48A	73	SMCJ36A	75	SMF85A	69	T10A100L	130
SMAJ54CA	71	SMBJ48CA	73	SMCJ36CA	75	SMF9.0A	69	T10A10L	130
SMAJ58A	71	SMBJ5.0A	73	SMCJ40A	75	SMF90A	69	T10A20L	130
SMAJ58CA	71	SMBJ5.0CA	73	SMCJ40CA	75	SR3035C	116	T10A40L	130
SMAJ6.0A	71	SMBJ51A	73	SMCJ43A	75	SR3045C	116	T10A60L	130
SMAJ6.0CA	71	SMBJ51CA	73	SMCJ43CA	75	SR3050C	116	T10A80L	130
SMAJ6.5A	71	SMBJ54A	73	SMCJ45A	75	SR3060C	116	T2A05	129
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T2A10	129	TB1510G	135,136	TB358	142	TF103	124,125	TF805L	126
T2A100	129	TB1510GW	135,136	TB358G	137,138	TF103G	123	TF806L	126
T2A100G	128	TB1510W	141	TB358GW	137,138	TF104	124,125	TF807L	126
T2A10G	128	TB151G	135,136	TB358W	142	TF104G	123	TGL41-10	69
T2A130	129	TB151GW	135,136	TB36	139	TF105	124,125	TGL41-100	70
T2A20	129	TB151W	141	TB36G	134	TF105G	123	TGL41-100A	70
T2A20G	128	TB152	141	TB38	139	TF106	124,125	TGL41-100C	70
T2A40	129	TB152G	135,136	TB38G	134	TF106G	123	TGL41-100CA	70
T2A40G	128	TB152GW	135,136	TB4005G	138	TF107	124,125	TGL41-10A	70
T2A60	129	TB152W	141	TB401G	138	TF107G	123	TGL41-10C	69
T2A60G	128	TB154	141	TB402G	138	TF151	125	TGL41-10CA	70
T2A80	129	TB154G	135,136	TB404G	138	TF151G	124	TGL41-11	70
T2A80G	128	TB154GW	135,136	TB406G	138	TF152	125	TGL41-110	70
T3A05	130	TB154W	141	TB408G	138	TF152G	124	TGL41-110A	70
T3A05G	128	TB156	141	TB410G	138	TF153	125	TGL41-110C	70
T3A10	130	TB156G	135,136	TB5005G	138	TF153G	124	TGL41-110CA	70
T3A100	130	TB156GW	135,136	TB501G	138	TF154	125	TGL41-11A	70
T3A100G	128	TB156W	141	TB502G	138	TF154G	124	TGL41-11C	70
T3A10G	128	TB158	141	TB504G	138	TF155	125	TGL41-11CA	70
T3A20	130	TB158G	135,136	TB506G	138	TF155G	124	TGL41-12	70
T3A20G	128	TB158GW	135,136	TB508G	138	TF156	125	TGL41-120	70
T3A40	130	TB158W	141	TB510G	138	TF156G	124	TGL41-120A	70
T3A40G	128	TB2505	141	TB605	140	TF157	125	TGL41-120C	70
T3A60	130	TB2505G	136,137	TB605G	134	TF157G	124	TGL41-120CA	70
T3A60G	128	TB2505GW	136,137	TB61	140	TF201	125	TGL41-12A	70
T3A80	130	TB2505W	141	TB610	140	TF201G	124	TGL41-12C	70
T3A80G	128	TB251	141	TB610G	134	TF202	125	TGL41-12CA	70
T6A05	130	TB2510	141	TB61G	134	TF202G	124	TGL41-13	70
T6A05G	128	TB2510G	136,137	TB62	140	TF203	125	TGL41-130	70
T6A05L	130	TB2510GW	136,137	TB62G	134	TF203G	124	TGL41-130A	70
T6A05LG	128	TB2510W	141	TB64	140	TF204	125	TGL41-130C	70
T6A10	130	TB251G	136,137	TB64G	134	TF204G	124	TGL41-130CA	70
T6A100	130	TB251GW	136,137	TB66	140	TF205	125	TGL41-13A	70
T6A100G	128	TB251W	141	TB66G	134	TF205G	124	TGL41-13C	70
T6A100L	130	TB252	141	TB68	140	TF206	125	TGL41-13CA	70
T6A100LG	128	TB252G	136,137	TB68G	134	TF206G	124	TGL41-15	70
T6A10G	128	TB252GW	136,137	TB805	140	TF207	125	TGL41-150	70
T6A10L	130	TB252W	141	TB81	140	TF207G	124	TGL41-150A	70
T6A10LG	128	TB254	141	TB810	140	TF251	125	TGL41-150C	70
T6A20	130	TB254G	136,137	TB82	140	TF252	125	TGL41-150CA	70
T6A20G	128	TB254GW	136,137	TB84	140	TF253	125	TGL41-15A	70
T6A20L	130	TB254W	141	TB86	140	TF254	125	TGL41-15C	70
T6A20LG	128	TB256	141	TB88	140	TF255	125	TGL41-15CA	70
T6A40	130	TB256G	136,137	TBA820P8	29	TF256	125	TGL41-16	70
T6A40G	128	TB256GW	136,137	TBA820S8	29	TF257	125	TGL41-160	70
T6A40L	130	TB256W	141	TCDF1AW	86	TF301	125	TGL41-160A	70
T6A40LG	128	TB258	141	TCDF1BW	86	TF301G	124	TGL41-160C	70
T6A60	130	TB258G	136,137	TCDF1DW	86	TF302	125	TGL41-160CA	70
T6A60G	128	TB258GW	136,137	TCDF1GW	86	TF302G	124	TGL41-16A	70
T6A60L	130	TB258W	141	TCDF1JW	86	TF303	125	TGL41-16C	70
T6A60LG	128	TB305	139	TCDF1KW	86	TF303G	124	TGL41-16CA	70
T6A80	130	TB305G	134	TCDR1DW	88	TF304	125	TGL41-170	70
T6A80G	128	TB31	139	TCDR1GW	88	TF304G	124	TGL41-170A	70
T6A80L	130	TB310	139	TCDR1JW	88	TF305	125	TGL41-170C	70
T6A80LG	128	TB310G	134	TCDR1KW	88	TF305G	124	TGL41-170CA	70
T8A05L	130	TB31G	134	TCDR1MW	88	TF306	125	TGL41-18	70
T8A100L	130	TB32	139	TCDR1WW	88	TF306G	124	TGL41-18A	70
T8A10L	130	TB32G	134	TCDT1DW	90	TF307	125	TGL41-18C	70
T8A20L	130	TB34	139	TCDT1GW	90	TF307G	124	TGL41-18CA	70
T8A40L	130	TB34G	134	TCDT1JW	90	TF601	125	TGL41-20	70
T8A60L	130	TB3505	142	TCDT1KW	90	TF601L	126	TGL41-20A	70
T8A80L	130	TB3505G	137,138	TCDT1MW	90	TF601LG	124	TGL41-20C	70
TA8602P8	29	TB3505GW	137,138	TCDT1WW	90	TF602	125	TGL41-20CA	70
TA8602S8	29	TB3505W	142	TCDU1DW	87	TF602L	126	TGL41-22	70
TB1005	140	TB351	142	TCDU1GW	87	TF602LG	124	TGL41-22A	70
TB1005M	140	TB3510	142	TCDU1JW	87	TF603	125	TGL41-22C	70
TB101	140	TB3510G	137,138	TCDU1KW	87	TF603L	126	TGL41-22CA	70
TB1010	140	TB3510GW	137,138	TCDU1MW	87	TF603LG	124	TGL41-24	70
TB1010M	140	TB3510W	142	TCDU1WW	87	TF604	125	TGL41-24A	70
TB101M	140	TB351G	137,138	TDA2003T5	29	TF604L	126	TGL41-24C	70
TB102	140	TB351GW	137,138	TDA2003W	29	TF604LG	124	TGL41-24CA	70
TB102M	140	TB351W	142	TDA2822P8	29	TF605	125	TGL41-27	70
TB104	140	TB352	142	TDA2822S8	29	TF605L	126	TGL41-27A	70
TB104M	140	TB352G	137,138	TF1001L	126	TF605LG	124	TGL41-27C	70
TB106	140	TB352GW	137,138	TF1002L	126	TF606	125	TGL41-27CA	70
TB106M	140	TB352W	142	TF1003L	126	TF606L	126	TGL41-30	70
TB108	140	TB354	142	TF1004L	126	TF606LG	124	TGL41-30A	70
TB108M	140	TB354G	137,138	TF1005L	126	TF607	125	TGL41-30C	70
TB1505	141	TB354GW	137,138	TF1006L	126	TF607L	126	TGL41-30CA	70
TB1505G	135,136	TB354W	142	TF1007L	126	TF607LG	124	TGL41-33	70
TB1505GW	135,136	TB356	142	TF101	124	TF801L	126	TGL41-33A	70
TB1505W	141	TB356G	137,138	TF101G	123	TF802L	126	TGL41-33C	70
TB151	141	TB356GW	137,138	TF102	124	TF803L	126	TGL41-33CA	70
TB1510	141	TB356W	142	TF102G	123	TF804L	126	TGL41-36	70

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TGL41-47	70	TIP115	149	TLZ10A	56	TLZJ15C	54	TLZJ9.1B	54
TGL41-47A	70	TIP116	149	TLZ10B	56	TLZJ16A	54	TLZJ9.1C	54
TGL41-47C	70	TIP117	149	TLZ10C	56	TLZJ16B	54	TMZ10A	51
TGL41-47CA	70	TIP120	149	TLZ10D	56	TLZJ16C	54	TMZ10B	51
TGL41-51	70	TIP121	149	TLZ11A	56	TLZJ18A	54	TMZ10C	51
TGL41-51A	70	TIP122	149	TLZ11B	56	TLZJ18B	54	TMZ10D	51
TGL41-51C	70	TIP122F	149	TLZ11C	56	TLZJ18C	54	TMZ11A	51
TGL41-51CA	70	TIP125	149	TLZ12A	56	TLZJ2.0A	53	TMZ11B	51
TGL41-56	70	TIP126	149	TLZ12B	56	TLZJ2.0B	53	TMZ11C	51
TGL41-56A	70	TIP127	149	TLZ12C	56	TLZJ2.2A	53	TMZ12A	51
TGL41-56C	70	TIP127F	149	TLZ13A	56	TLZJ2.2B	53	TMZ12B	51
TGL41-56CA	70	TIP130	149	TLZ13B	56	TLZJ2.4A	53	TMZ12C	51
TGL41-6.8	69	TIP131	149	TLZ13C	56	TLZJ2.4B	53	TMZ13A	51
TGL41-6.8A	69	TIP132	149	TLZ15A	56	TLZJ2.7A	53	TMZ13B	51
TGL41-6.8C	69	TIP140F	149	TLZ15B	56	TLZJ2.7B	53	TMZ13C	51
TGL41-6.8CA	69	TIP141F	149	TLZ15C	56	TLZJ20A	54	TMZ15A	51
TGL41-62	70	TIP142	149	TLZ16A	56	TLZJ20B	54	TMZ15B	51
TGL41-62A	70	TIP142F	149	TLZ16B	56	TLZJ20C	54	TMZ15C	51
TGL41-62C	70	TIP145F	149	TLZ16C	56	TLZJ20D	54	TMZ16A	51
TGL41-62CA	70	TIP146F	149	TLZ18A	56	TLZJ22A	54	TMZ16B	51
TGL41-68	70	TIP147	149	TLZ18B	56	TLZJ22B	54	TMZ16C	51
TGL41-68A	70	TIP147F	149	TLZ18C	56	TLZJ22C	54	TMZ18A	51
TGL41-68C	70	TIP29	147	TLZ2.0A	55	TLZJ22D	54	TMZ18B	51
TGL41-68CA	70	TIP2955	148	TLZ2.0B	55	TLZJ24A	54	TMZ18C	51
TGL41-7.5	69	TIP29A	148	TLZ2.2A	55	TLZJ24B	54	TMZ2.0A	50
TGL41-7.5A	69	TIP29B	148	TLZ2.2B	55	TLZJ24C	54	TMZ2.0B	50
TGL41-7.5C	69	TIP29C	148	TLZ2.4A	55	TLZJ24D	54	TMZ2.2A	50
TGL41-7.5CA	69	TIP30	148	TLZ2.4B	55	TLZJ27A	54	TMZ2.2B	50
TGL41-75	70	TIP3055	148	TLZ2.7A	55	TLZJ27B	54	TMZ2.4A	50
TGL41-75A	70	TIP30A	148	TLZ2.7B	55	TLZJ27C	54	TMZ2.4B	50
TGL41-75C	70	TIP30B	148	TLZ20A	56	TLZJ27D	54	TMZ2.7A	50
TGL41-75CA	70	TIP30C	148	TLZ20B	56	TLZJ3.0A	53	TMZ2.7B	50
TGL41-8.2	69	TIP31	147	TLZ20C	56	TLZJ3.0B	53	TMZ20A	51
TGL41-8.2A	69	TIP31A	148	TLZ20D	56	TLZJ3.3A	53	TMZ20B	51
TGL41-8.2C	69	TIP31B	148	TLZ3.0A	55	TLZJ3.3B	53	TMZ20C	51
TGL41-8.2CA	69	TIP31C	148	TLZ3.0B	55	TLZJ3.6A	53	TMZ20D	51
TGL41-82	70	TIP32	148	TLZ3.3A	55	TLZJ3.6B	53	TMZ3.0A	50
TGL41-82A	70	TIP32A	148	TLZ3.3B	55	TLZJ3.9A	53	TMZ3.0B	50
TGL41-82C	70	TIP32B	148	TLZ3.6A	55	TLZJ3.9B	53	TMZ3.3A	50
TGL41-82CA	70	TIP32C	148	TLZ3.6B	55	TLZJ30A	54	TMZ3.3B	50
TGL41-9.1	69	TIP33C	148	TLZ3.9A	55	TLZJ30B	54	TMZ3.6A	50
TGL41-9.1A	69	TIP35C	148	TLZ3.9B	55	TLZJ30C	54	TMZ3.6B	50
TGL41-9.1C	69	TIP36C	148	TLZ4.3A	55	TLZJ30D	54	TMZ3.9A	50
TGL41-9.1CA	69	TIP41	147	TLZ4.3B	55	TLZJ33A	55	TMZ3.9B	51
TGL41-91	70	TIP41A	148	TLZ4.3C	55	TLZJ33B	55	TMZ4.3A	51
TGL41-91A	70	TIP41B	148	TLZ4.7A	55	TLZJ33C	55	TMZ4.3B	51
TGL41-91C	70	TIP41C	148	TLZ4.7B	55	TLZJ33D	55	TMZ4.3C	51
TGL41-91CA	70	TIP42	148	TLZ4.7C	55	TLZJ36A	55	TMZ4.7A	51
THV308	132	TIP42A	148	TLZ5.1A	55	TLZJ36B	55	TMZ4.7B	51
THV310	132	TIP42B	148	TLZ5.1B	55	TLZJ36C	55	TMZ4.7C	51
THV312	132	TIP42C	148	TLZ5.1C	55	TLZJ36D	55	TMZ5.1A	51
THV314	132	TIP47	148	TLZ5.6A	55	TLZJ39A	55	TMZ5.1B	51
THV315	132	TIP48	148	TLZ5.6B	55	TLZJ39B	55	TMZ5.1C	51
THV316	132	TIP49	148	TLZ5.6C	55	TLZJ39C	55	TMZ5.6A	51
THV506	132	TIP50	148	TLZ6.2A	55	TLZJ39D	55	TMZ5.6B	51
THV506T	132	TIS73	151	TLZ6.2B	55	TLZJ4.3A	53	TMZ5.6C	51
THV508	132	TL062P8	19	TLZ6.2C	55	TLZJ4.3B	53	TMZ5221B	52
THV508T	132	TL062S8	19	TLZ6.8A	55	TLZJ4.3C	53	TMZ5222B	52
THV510	132	TL072P8	19	TLZ6.8B	55	TLZJ4.7A	53	TMZ5223B	52
THV510T	132	TL072S8	19	TLZ6.8C	55	TLZJ4.7B	53	TMZ5224B	52
THV512	132	TL072TS8	19	TLZ7.5A	55	TLZJ4.7C	53	TMZ5225B	52
THV512T	132	TL074P14	19	TLZ7.5B	55	TLZJ43	55	TMZ5226B	52
THV514	132	TL074S14	20	TLZ7.5C	55	TLZJ47	55	TMZ5227B	52
THV514T	132	TL082P8	19	TLZ8.2A	55	TLZJ5.1A	53	TMZ5228B	52
THV515	132	TL082S8	19	TLZ8.2B	55	TLZJ5.1B	53	TMZ5229B	52
THV515T	132	TL082TS8	19	TLZ8.2C	55	TLZJ5.1C	53	TMZ5230B	52
THV516	132	TL317D	23	TLZ9.1A	56	TLZJ5.6A	53	TMZ5231B	52
THV516T	132	TL317H	23	TLZ9.1B	56	TLZJ5.6B	53	TMZ5232B	52
THV705	132	TL317MC	23	TLZ9.1C	56	TLZJ5.6C	53	TMZ5233B	52
THV708	132	TL317T	23	TLZJ10A	54	TLZJ51	55	TMZ5234B	52
THV710	132	TL400	139	TLZJ10B	54	TLZJ56	55	TMZ5235B	52
THV712	132	TL400G	134	TLZJ10C	54	TLZJ6.2A	54	TMZ5236B	52
THV714	132	TL401	139	TLZJ10D	54	TLZJ6.2B	54	TMZ5237B	52
THV715	132	TL401G	134	TLZJ11A	54	TLZJ6.2C	54	TMZ5238B	52
THV716	132	TL402	139	TLZJ11B	54	TLZJ6.8A	54	TMZ5239B	53
TIP100	149	TL402G	134	TLZJ11C	54	TLZJ6.8B	54	TMZ5240B	53
TIP101	149	TL404	139	TLZJ12A	54	TLZJ6.8C	54	TMZ5241B	53
TIP102	149	TL404G	134	TLZJ12B	54	TLZJ7.5A	54	TMZ5242B	53
TIP105	149	TL406	139	TLZJ12C	54	TLZJ7.5B	54	TMZ5243B	53
TIP106	149	TL406G	134	TLZJ13A	54	TLZJ7.5C	54	TMZ5244B	53
TIP107	149	TL408	139	TLZJ13B	54	TLZJ8.2A	54	TMZ5245B	53

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Operation Amplifier

Part No.	Description	Supply Voltage Range	Max. Input Offset Voltage	Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
		Vcc (V)	Vio (mV)	°C		
LM321N5	Single Op. Amplifier	+/-18	7	-40 to 85		SOT-23-5
LMS558N5	Single Op. Amplifier	+/-18	6	-40 to 85		
LM318P8	Single Op. Amplifier	+/-20	10	0 to 70		DIP-8
LM358P8	Dual Op. Amplifier	+/-16	7	0 to 70		
LM358AP8	Dual Low Offset Op. Amplifier	+/-18	5	-40 to 85		
LM358BP8	Dual Low Offset Op. Amplifier	+/-18	3	-40 to 85		
LMV358P8	Dual Low Voltage Op. Amplifier	2.7 to 5.5	7	-40 to 85		
MC1458P8	Dual High Performance Op. Amplifier (1MHz)	+/-22	5	0 to 70		
MC34072P8	Dual Wide Bandwidth Op. Amplifier (4.5MHz)	3 to 44	5	-20 to 85		
MC4558P8	Dual Op. Amplifier (BW=2.8 MHz)	+/-22	6	-20 to 85		
MC4558AP8	Dual Op. Amplifier (BW=2.8 MHz)	+/-20	5	-40 to 80		
MC4580P8	Dual Audio Bandwidth Op. Amplifier (15MHz)	+/-18	3	-40 to 85		
TL062P8	Dual Op. Amplifier (JFET Input, 1MHz)	+/-18	15	0 to 70		
TL072P8	Dual Op. Amplifier (JFET Input, 4MHz)	+/-18	10	0 to 70		
TL082P8	Dual Op. Amplifier (JFET Input, 4MHz)	+/-18	6	0 to 70		
LM318S8	Single Op. Amplifier	+/-20	10	0 to 70		SOP-8
LM358S8	Dual Op. Amplifier	+/-16	7	0 to 70		
LM358AS8	Dual Low Offset Op. Amplifier	+/-18	5	-40 to 85		
LM358BS8	Dual Low Offset Op. Amplifier	+/-18	3	-40 to 85		
LMV358S8	Dual Low Voltage Op. Amplifier	2.7 to 5.5	7	-40 to 85		
MC1458S8	Dual Internal Compensated Op. Amplifier	+/-22	5	0 to 70		
MC34072S8	Dual Wide Bandwidth Op. Amplifier (4.5 MHz)	3 to 44	5	-20 to 85		
MC4558S8	Dual Op. Amplifier (BW=2.8 MHz)	+/-22	6	0 to 70		
MC4558AS8	Dual Op. Amplifier (BW=2.8 MHz)	+/-20	5	-40 to 80		
MC4580S8	Dual Audio Bandwidth Op. Amplifier (15MHz)	+/-18	3	0 to 70		
TL062S8	Dual Op. Amplifier (JFET Input, 1MHz)	+/-18	15	0 to 70		
TL072S8	Dual Op. Amplifier (JFET Input, 4MHz)	+/-18	10	0 to 70		
TL082S8	Dual Op. Amplifier (JFET Input, 4MHz)	+/-18	6	0 to 70		
LM358TS8	Dual Op. Amplifier	+/-16	7	0 to 70		TSSOP-8
LMV358TS8	Dual Low Voltage Op. Amplifier	2.7 to 5.5	7	-40 to 85		
MC4558TS8	Dual Op. Amplifier (2.8 MHz)	+/-22	6	0 to 70		
MC4580TS8	Dual Audio Bandwidth Op. Amplifier (15MHz)	+/-18	3	0 to 70		
TL072TS8	Dual Op. Amplifier (JFET Input, 4MHz)	+/-18	10	0 to 70		
TL082TS8	Dual Op. Amplifier (JFET Input, 4MHz)	+/-18	6	0 to 70		
LM358MS8	Dual Op. Amplifier	+/-16	7	0 to 70		MSOP-8
LMV358MS8	Dual Low Voltage Op. Amplifier	2.7 to 5.5	7	-40 to 85		
MC4580MS8	Dual Audio Bandwidth Op. Amplifier (15 MHz)	+/-18	3	0 to 70		
LM324P14	Quad Op. Amplifier	+/-18	7	0 to 70		DIP-14
LM324AP14	Quad Low Offset Op. Amplifier	+/-18	5	-40 to 85		
LM324BP14	Quad Low Offset Op. Amplifier	+/-18	3	-40 to 80		
MC34074P14	Quad Wide Bandwidth Op. Amplifier (4.5 MHz)	3 to 44	5	-20 to 85		
TL074P14	Quad Op. Amplifier (JFET Input, 3MHz)	+/-18	10	0 to 70		

Operation Amplifier

ICs

Part No.	Description	Supply Voltage Range	Max. Input Offset Voltage	Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
		Vcc (V)	Vio (mV)	°C		
LM324S14	Quad Op. Amplifier	+/-18	7	0 to 70		SOP-14N
LM324AS14	Quad Low Offset Op. Amplifier	+/-18	5	-40 to 85		
LM324BS14	Quad Low Offset Op. Amplifier	+/-18	3	-40 to 80		
MC34074S14	Quad Wide Bandwidth Op. Amplifier (4.5 MHz)	3 to 44	5	-20 to 85		
TL074S14	Quad Op. Amplifier (JFET Input, 3MHz)	+/-18	10	0 to 70		
LM324TS14	Quad Op. Amplifier	+/-18	7	0 to 70		TSSOP-14

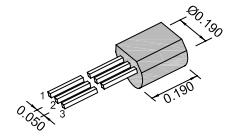
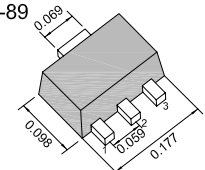
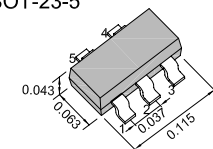
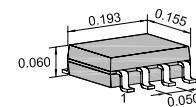
Voltage Comparator

ICs

Part No.	Description	Supply Voltage Range	Max. Input Offset Voltage	Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
		Vcc (V)	Vio (mV)	°C		
TS391R5	Single Comparator	+/-18	5	-45 to 125		SOT-353 (0805)
TS391AR5	Single Comparator	+/-18	5	-45 to 125		
TS391BR5	Single Comparator	+/-18	5	-45 to 125		SOT-23-5
TS391CR5	Single Comparator	+/-18	5	-45 to 125		
TS391N5	Single Comparator	+/-18	5	-45 to 125		SOT-23-5
TS391AN5	Single Comparator	+/-18	5	-45 to 125		
TS391BN5	Single Comparator	+/-18	5	-45 to 125		SOT-23-5
TS391CN5	Single Comparator	+/-18	5	-45 to 125		
LM393P8	Dual Comparator	+/-18	5	-40 to 85		DIP-8
LM393AP8	Dual Low Offset Comparator	+/-18	3	-40 to 85		
LMV393P8	Dual Low Voltage Comparator	2.7 to 5.0	7	-40 to 85		

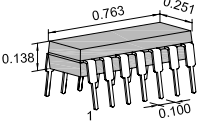
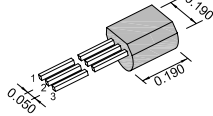
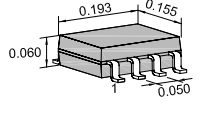
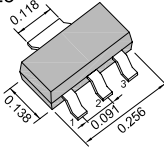
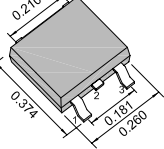
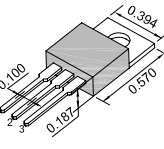
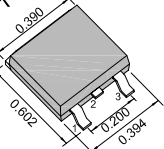
Voltage Comparator

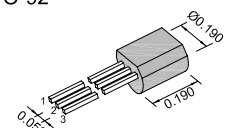
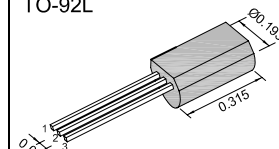
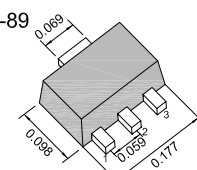
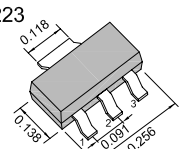
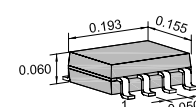
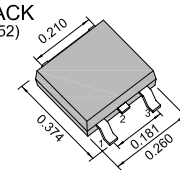
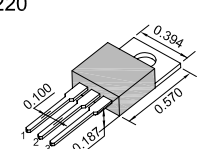
Part No.	Description	Supply Voltage Range	Max. Input Offset Voltage	Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
		Vcc (V)	Vio (mV)	°C		
LM393S8	Dual Comparator	+/-18	5	-40 to 85		SOP-8
LM393AS8	Dual Low Offset Comparator	+/-18	3	-40 to 85		
LMV393S8	Dual Low Voltage Comparator	2.7 to 5.0	7	-40 to 85		
LM393TS8	Dual Comparator	+/-18	5	0 to 70		TSSOP-8
LM393ATS8	Dual Low Offset Comparator	+/-18	3	-40 to 85		
LMV393MS8	Dual Comparator	+/-18	5	0 to 70		MSOP-8
LM339P14	Quad Comparator	+/-18	5	-40 to 85		DIP-14
LM339AP14	Quad Low Offset Comparator	+/-18	3	-40 to 85		
LM339S14	Quad Comparator	+/-18	5	-40 to 85		SOP-14N
LM339AS14	Quad Low Offset Comparator	+/-18	3	-40 to 85		
LM339TS14	Quad Comparator	+/-18	5	-20 to 85		TSSOP-14
LM339ATS14	Quad Low Offset Comparator	+/-18	3	-40 to 85		

Part No.	Cathode Voltage	Reference Voltage			Reference Voltage Tolerance	Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
		V _{REF} (V)						
	V _K A (V)	Min	Typ	Max	°C			
LM431Z	36	2.440	2.495	2.550	2.2%	-40 to 85	1: Ref 2: Anode 3: Cathode	
LM431AZ	36	2.480	2.500	2.520	0.8%	-40 to 125		
LM431BZ	36	2.490	2.500	2.510	0.4%	-40 to 125		
LM431LZ	16	1.222	1.240	1.258	1.5%	-40 to 85		
LM431LAZ	18	1.228	1.240	1.252	1.0%	-40 to 125		
LM431LBZ	18	1.234	1.240	1.246	0.5%	-40 to 125		
LM432AZ	18	1.238	1.250	1.262	1.0%	-40 to 125		
LM432BZ	18	1.244	1.250	1.256	0.5%	-40 to 125		
LM431K	36	2.440	2.495	2.550	2.2%	-40 to 85	1: Ref 2: Anode 3: Cathode	
LM431AK	36	2.480	2.500	2.520	0.8%	-40 to 125		
LM431BK	36	2.490	2.500	2.510	0.4%	-40 to 125		
LM431LAK	18	1.228	1.240	1.252	1.0%	-40 to 125		
LM431LBK	18	1.234	1.240	1.246	0.5%	-40 to 125		
LM432AK	18	1.238	1.250	1.262	1.0%	-40 to 125		
LM432BK	18	1.244	1.250	1.256	0.5%	-40 to 125		
LM431N	36	2.440	2.495	2.550	2.2%	-40 to 85		
LM431AN	36	2.480	2.500	2.520	0.8%	-40 to 125		
LM431BN	36	2.490	2.500	2.510	0.4%	-40 to 125		
LM431LN	16	1.222	1.240	1.258	1.5%	-40 to 85		
LM431LAN	18	1.228	1.240	1.252	1.0%	-40 to 125		
LM431LBN	18	1.234	1.240	1.246	0.5%	-40 to 125		
LM432AN	18	1.238	1.250	1.262	1.0%	-40 to 125		
LM432BN	18	1.244	1.250	1.256	0.5%	-40 to 125		
LM431N5	36	2.440	2.495	2.550	2.2%	-40 to 85	1: NC 2: NC 3: Cathode 4: Ref 5: Anode	
LM431AN5	36	2.480	2.500	2.520	0.8%	-40 to 125		
LM431BN5	36	2.490	2.500	2.510	0.4%	-40 to 125		
LM431LN5	16	1.222	1.240	1.258	1.5%	-40 to 85		
LM431LAN5	18	1.228	1.240	1.252	1.0%	-40 to 125		
LM431LBN5	18	1.234	1.240	1.246	0.5%	-40 to 125		
LM432AN5	18	1.238	1.250	1.262	1.0%	-40 to 125		
LM432BN5	18	1.244	1.250	1.256	0.5%	-40 to 125		
LM431AS8	36	2.480	2.500	2.520	0.8%	-40 to 125	1: Cathode 2,3: Anode 4,5: NC 6,7: Anode 8: Ref	
LM431BS8	36	2.490	2.500	2.510	0.4%	-40 to 125		

Adjustable Positive Voltage Regulator

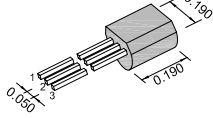
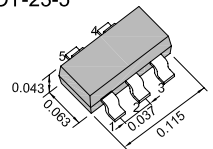
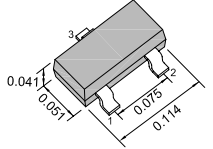
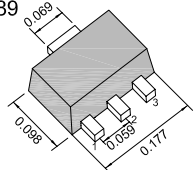
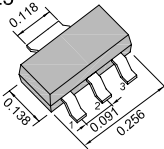
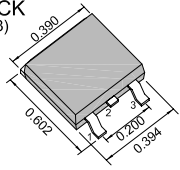
ICs/Regulator

Part No.	Max. Output Current	Input-Output Voltage Differential	Output Voltage @T _J =25°C	Typical Line Regulation	Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
		V _{in} - V _{out}	V _O				
	I _O	(V)	(V)	% / V	°C		
LM723	150 mA to 10 A	38	2 to 37	0.01	-55 to 125	1,8,14: NC 3: current sense 4: -input 5: +input 6: Vref 7: V- 9: Vz 10: Vout 12: V+	DIP-14 
LM317LZ LA317LZ	100mA 100mA	40 15	1.25 to 37 1.2 to 12	0.01	-20 to 85 0 to 125	1: Adj 2: Output 3: Input	TO-92 
LM317LS8 LA317LS8	100mA 100mA	40 15	1.25 to 37 1.2 to 12	0.01	-20 to 85 0 to 125	1: Input 2: Output 3: Output 4: Adj 5: NC 6: Output 7: Output 8: NC	SOP-8 
LM317MH LM317H LA317H TL317H	0.5A 1.0A 1.0A 1.5A	40 40 15 40	1.2 to 37 1.3 to 37 1.25 to 12 1.25 to 37	0.01	0 to 125 -40 to 85 0 to 125 -30 to 85	1: Adj 2: Output 3: Input	SOT-223 
LM317MD LM317D LA317D TL317D	0.5A 1.0A 1.0A 1.5A	40 40 15 40	1.2 to 37 1.3 to 37 1.25 to 12 1.25 to 37	0.01	0 to 125 -40 to 85 0 to 125 -30 to 85	1: Adj 2: Output 3: Input	D-PACK (TO-252) 
LM317MT LM317T LA317T TL317T	0.5A 1.0A 1.0A 1.5A	40 40 15 40	1.2 to 37 1.3 to 37 1.25 to 12 1.25 to 37	0.01	0 to 125 -40 to 85 0 to 125 -30 to 85	1: Adj 2: Output 3: Input	TO-220 
LM317MC LA317MC TL317MC	1.0A 1.0A 1.5A	40 15 40	1.3 to 37 1.25 to 12 1.25 to 37	0.01	-40 to 85 0 to 125 -30 to 85	1: Adj 2: Output 3: Input	D ² PACK (TO-263) 

Part No.	Description	Max. Output Current	Max. Input Voltage	Typical Output Voltage @T _J =25°C	Output Voltage Tolerance	Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
		I _{O(Max)}	V _I (V)	V _O (V)		°C		
LM78LxxZ LM79LxxZ	Positive Regulator Negative Regulator	100mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	0 to 125	1: Output 2: GND 3: Input	TO-92 
LM78SxxZ LM79SxxZ	Positive Regulator Negative Regulator	150mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-30 to 150		
LM78LMxxZ LM79LMxxZ	Positive Regulator Negative Regulator	200mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-20 to 150		
LM78MxxZ LM79MxxZ	Positive Regulator Negative Regulator	500mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	0 to 125		
LM78SxxLZ LM79SxxLZ	Positive Regulator Negative Regulator	150mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-30 to 150	1: Output 2: GND 3: Input	TO-92L 
LM78LMxxZ LM79LMxxZ	Positive Regulator Negative Regulator	200mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-20 to 150		
LM78LxxK LM79LxxK	Positive Regulator Negative Regulator	100mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	0 to 125	1: Output 2: GND 3: Input	SOT-89 
LM78SxxK LM79SxxK	Positive Regulator Negative Regulator	150mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-30 to 150		
LM78LMxxK LM79LMxxK	Positive Regulator Negative Regulator	200mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-20 to 150		
LM78LxxH LM79LxxH	Positive Regulator Negative Regulator	100mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-40 to 125	1: Output 2: GND 3: Input	SOT-223 
LM78LMxxH LM79LMxxH	Positive Regulator Negative Regulator	200mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-20 to 150		
LM78LxxH LM79LxxS8	Positive Regulator Negative Regulator	100mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-40 to 125	1: Output 2,3: GND 4,5: NC 6,7: GND 8: Input	SOP-8 
LM78LMxxS8 LM79LMxxS8	Positive Regulator Negative Regulator	200mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-20 to 150		
LM78MxxTN LM79MxxTN	Positive Regulator Negative Regulator	500mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-40 to 150		
LM78MxxD LM79MxxD	Positive Regulator Negative Regulator	500mA	35 -35	3.3/4.7/5/6/8/9/10/12/15/18/24	4% 4%	0 to 125	1: Input 2: GND 3: Output	D-PACK (TO-252) 
LM78xxD LM79xxD	Positive Regulator Negative Regulator	1000mA	35 -35	3.3/4.7/5/6/8/9/10/12/15/18/24	4% 4%	-20 to 125		
LM78MxxT LM79MxxT	Positive Regulator Negative Regulator	500mA	35 -35	5/6/8/9/10/12/15/18/24	4% 4%	-20 to 150	1: Input 2: GND 3: Output	TO-220 
LM7805A	Positive Regulator	1000mA	35	5.0	2%	-20 to 150		
LM78xxT	Positive Regulator	1000mA	35	3.3/4.7/5/6/8/9/10/12/15/18/24	4%	-20 to 150		

Low Dropout Voltage Regulator

ICs/Regulator

Part No.	Max. Output Current	Max. Input Voltage	Typical Output Voltage	Max. Dropout Voltage @ I _o		Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
	I _o (Max)	V _i (V)	V _o (V)	V _D (V)	I _o (mA)	°C		
LD133-xxK	300mA	12	Adj/ 1.5/ 1.8/ 2.2/ 2.5/ 2.7/ 2.8/ 2.9/ 3.0/ 3.3/ 3.5/ 3.6/ 3.7/ 4.7/ 5	1.5	300	-40 to 125	1: GND 2: Output 3: Input	
LD133A-xxK	500mA	12	Adj/ 1.5/ 1.8/ 2.2/ 2.5/ 2.7/ 2.8/ 2.9/ 3.0/ 3.3/ 3.5/ 3.6/ 3.7/ 4.7/ 5	1.5	500	-40 to 125		
LD2985-xxN5	150mA	16	1.5/ 1.8/ 2.5/ 2.8/ 2.85/ 2.9/ 3/ 3.3/ 3.5/ 4/ 5	0.28	150	-40 to 125	1,2,3,4,5: I,G,EN,N,O	
LD132-xxN5	200mA	12	Adj/ 1.2/ 1.8/ 2.2/ 2.5/ 2.6/ 2.8/ 3/ 3.3/ 5	1.3	200	-20 to 125	1,2,3,4,5: I,G,N,N,O	
LD132-xxN	200mA	12	Adj/ 1.2/ 1.8/ 2.2/ 2.5/ 2.6/ 2.8/ 3/ 3.3/ 5	1.3	200	-20 to 125	1: GND 2: Output 3: Input	
LD133-xxK	300mA	12	Adj/ 1.5/ 1.8/ 2.2/ 2.5/ 2.7/ 2.8/ 2.9/ 3.0/ 3.3/ 3.5/ 3.6/ 3.7/ 4.7/ 5	1.5	300	-40 to 125	Optional *	
LD133A-xxK	500mA	12	Adj/ 1.5/ 1.8/ 2.2/ 2.5/ 2.7/ 2.8/ 2.9/ 3.0/ 3.3/ 3.5/ 3.6/ 3.7/ 4.7/ 5	1.5	500	-40 to 125	Optional *	
LD1116B-xxK	500mA	15	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	0.6	500	0 to 125	Optional *	
LD2317-xxK	600mA	15	Adj/ 2.5/ 3.3	1.1	600	-40 to 125	123: GOI	
LD1117-xxK	800mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	800	0 to 125	Optional *	
LD1117A-xxK	1000mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	1000	0 to 125	Optional *	
LD133-xxH	300mA	12	Adj/ 1.5/ 1.8/ 2.2/ 2.5/ 2.7/ 2.8/ 2.9/ 3.0/ 3.3/ 3.5/ 3.6/ 3.7/ 4.7/ 5	1.5	300	-40 to 125	Optional *	
LD133A-xxH	500mA	12	Adj/ 1.5/ 1.8/ 2.2/ 2.5/ 2.7/ 2.8/ 2.9/ 3.0/ 3.3/ 3.5/ 3.6/ 3.7/ 4.7/ 5	1.5	500	-40 to 125	Optional *	
LD1116B-xxH	500mA	15	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	0.6	500	0 to 125	Optional *	
LD2317-xxH	600mA	15	Adj/ 2.5/ 3.3	1.1	600	-40 to 125	123: GOI	
LD1117-xxH	800mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	800	0 to 125	Optional *	
LD1117A-xxH	1000mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	1000	0 to 125	Optional *	
LD1086-xxH	1.5A	7.5	Adj/ 1.8/ 2.5/ 2.85/ 3.3/ 5	1.3	1500	-20 to 85	123: GOI	
LD1116B-xxD	500mA	15	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	0.6	500	0 to 125	Optional *	
LD1117-xxD	800mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	800	0 to 125	Optional *	
LD1117A-xxD	1000mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	1000	0 to 125	Optional *	
LD1086-xxD	1.5A	7.5	Adj/ 1.8/ 2.5/ 2.85/ 3.3/ 5	1.3	1500	-20 to 85	123: GOI	
LD1085-xxD	3A	18	Adj/ 1.5/ 1.8/ 2.5/ 3.3/ 5	1.3	3000	-20 to 85	123: GOI	
LD1084-xxD	5A	15	Adj/ 1.5/ 1.8/ 2.5/ 3.3/ 5	1.5	5000	-20 to 85	123: GOI	
LD1116B-xxMC	500mA	15	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	0.6	500	0 to 125	Optional *	
LD2317-xxMC	600mA	15	Adj/ 2.5/ 3.3	1.1	600	-40 to 125	123: GOI	
LD1117-xxMC	800mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	800	0 to 125	Optional *	
LD1117A-xxMC	1000mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	1000	0 to 125	Optional *	
LD1086-xxMC	1.5A	7.5	Adj/ 1.8/ 2.5/ 2.85/ 3.3/ 5	1.3	1500	-20 to 85	123: GOI	
LD1085-xxMC	3A	18	Adj/ 1.5/ 1.8/ 2.5/ 3.3/ 5	1.3	3000	-20 to 85	123: GOI	
LD1084-xxMC	5A	15	Adj/ 1.5/ 1.8/ 2.5/ 3.3/ 5	1.5	5000	-20 to 85	123: GOI	
LD1116B-xxT	500mA	15	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	0.6	500	0 to 125	Optional *	
LD1117-xxT	800mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	800	0 to 125	Optional *	
LD1117A-xxT	1000mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	1000	0 to 125	Optional *	
LD1086-xxT	1.5A	7.5	Adj/ 1.8/ 2.5/ 2.85/ 3.3/ 5	1.3	1500	-20 to 85	123: GOI	
LD1085-xxT	3A	18	Adj/ 1.5/ 1.8/ 2.5/ 3.3/ 5	1.3	3000	-20 to 85	123: GOI	
LD1084-xxT	5A	15	Adj/ 1.5/ 1.8/ 2.5/ 3.3/ 5	1.5	5000	-20 to 85	123: GOI	

Low Dropout Voltage Regulator

ICs/Regulator

Part No.	Max. Output Current	Max. Input Voltage	Typical Output Voltage	Max. Dropout Voltage @ I _o		Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
	I _{o(Max)}	V _I (V)		V _D (V)	I _o (mA)			
LD1116B-xxS8	500mA	15	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	0.6	500	0 to 125	1: GND	
LD1117-xxS8	800mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	800	0 to 125	2,3: Output	
LD1117A-xxS8	1000mA	18	Adj/ 1.2/ 1.5/ 1.8/ 2.5/ 2.85/ 3.0/ 3.3/ 3.6/ 5	1.2	1000	0 to 125	6,7: Output 4: Input 5,8: NC	

*Optional:
 Default----1, 2, 3: GND, Output, Input A----1, 2, 3: Output, GND, Input B----1, 2, 3: GND, Input, Output C----1, 2, 3: Input, GND, Output

Ultra Low Dropout Voltage Regulator

ICs/Regulator

Part No.	Max. Output Current	Max. Input Voltage	Typical Output Voltage	Typical Dropout Voltage @ I _o		Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
	I _{o(Max)}	V _I (V)		V _D (V)	I _o (mA)			
LM78DS05	30mA	33	5.0	0.30	10	-40 to 85		
LP2950-xxZ	100mA	30	2.5/ 3/ 3.3/ 3.6/ 5	0.45	100	-40 to 125	1: Output	
LD2950-xxZ	250mA	18	2.5/ 3/ 3.3/ 3.6/ 5	0.45	250	-40 to 125	2: GND 3: Input	
LM2954-xxZ	300mA	30	3.3/ 5	0.45	200	-20 to 85		
LD10RxxK	30mA	12	1.8/ 2/ 2.5/ 2.7/ 2.8/ 3/ 3.3/ 4.4/ 5	0.06	30	0 to 70	1: GND 2: Output 3: Input	
LD2202-xxK	150mA	16	Adj/ 2.5/ 2.6/ 2.8/ 2.9/ 3/ 3.3/ 4	0.165	150	-40 to 12	1: Output 2: GND 3: Input	
LD2202-xxN5	150mA	16	Adj/ 2.5/ 2.6/ 2.8/ 2.9/ 3/ 3.3/ 4	0.165	150	-40 to 12	1,2,3,4,5: I,G,EN,N,O	
LD3870-xxN5	150mA	14	1.5/1.8/1.9/2/2.1/2.3/2.5/2.6/2.7/2.8/ 2.9/3/3.1/3.2/3.3/3.5/3.8/4/4.5/4.6/ 4.7/4.8/5	0.12	60	-40 to 85	1,2,3,4,5: EN,G,N,O,I	
LD2210-xxN5	300mA	15	2.5/ 2.8/ 3/ 3.3	0.25	300	-40 to 125	1,2,3,4,5: I,G,EN,BY,O	
LP2950-xxP8	100mA	30	2.5/ 3/ 3.3/ 3.6/ 5	0.45	100	-40 to 125	1: Output	
LP2951-xxP8	100mA	30	Adj	0.45	100	-40 to 125	2: Sense	
LD2950-xxP8	250mA	18	2.5/ 3/ 3.3/ 3.6/ 5	0.45	250	-40 to 125	3: Shuntown	
LD2951-xxP8	250mA	18	Adj	0.45	250	-40 to 125	4: GND	
LM2954-xxP8	300mA	30	Adj/ 3.3/ 5	0.45	200	-20 to 85	5: Error	
							6: Vcc/NC 7: FD/NC 8: Input	
LP2950-xxS8	100mA	30	2.5/ 3/ 3.3/ 3.6/ 5	0.45	100	-40 to 125	1: Output	
LP2951-xxS8	100mA	30	Adj	0.45	100	-40 to 125	2: Sense	
LD2950-xxS8	250mA	18	2.5/ 3/ 3.3/ 3.6/ 5	0.45	250	-40 to 125	3: Shuntown	
LD2951-xxS8	250mA	18	Adj	0.45	250	-40 to 125	4: GND	
LM2954-xxS8	300mA	30	Adj/ 3.3/ 5	0.45	200	-20 to 85	5: Error	
							6: Vcc/NC 7: FD/NC 8: Input	
LM2954-xxH	300mA	30	3.3/ 5	0.45	200	-20 to 85	1: Input	
LM2940-xxH	1000mA	26	Adj/ 1.5/ 1.8/ 2.5/ 2.85/ 3.3/ 5	0.50	1000	-20 to 85	2: GND 3: Output	

Ultra Low Dropout Voltage Regulator

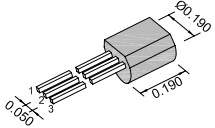
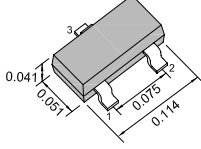
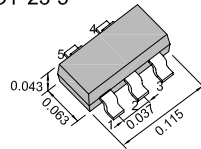
ICs/Regulator

Part No.	Max. Output Current	Max. Input Voltage	Typical Output Voltage $V_O(V)$	Typical Dropout Voltage @ I_O		Operating Temperature Range $^{\circ}C$	Pinout Configuration	Outline (Typ. in Inches)
	$I_{O(Max)}$	$V_I(V)$		$V_D(V)$	$I_O(mA)$			
LD2213-xxD	500mA	20	2.5/ 3/ 3.3	0.35	500	-40 to 125	1: Input	D-PACK (TO-252)
LM2940-xxD	1000mA	26	Adj/ 1.5/ 1.8/ 2.5/ 2.85/ 3.3/ 5	0.50	1000	-20 to 85	2: GND	
LD2940-xxD	1000mA	16	2.5/ 3.3/ 5	0.28	1000	-40 to 125	3: Output	
LM2937-xxMC	500mA	26	3.3/ 5/ 8/ 10/ 12/ 15	0.50	500	-40 to 125	1: Input	D²PACK (TO-263)
LM2940-xxMC	1000mA	26	Adj/ 1.5/ 1.8/ 2.5/ 2.85/ 3.3/ 5	0.50	1000	-20 to 85	2: GND	
LM2937-xxT	500mA	26	3.3/ 5/ 8/ 10/ 12/ 15	0.50	500	-40 to 125	1: Input	TO-220
LM2940-xxT	1000mA	26	5/ 8/ 9/ 10/ 12/ 15	0.50	1000	-20 to 85	2: GND	
LD2940-xxT	1000mA	16	2.5/ 3.3/ 5	0.28	1000	-40 to 125	3: Output	
LD39150T	1500mA	15	3.3/ 5	0.375	1500	-40 to 125		
LD20RxxT4	2A	20	3.3/ 5/ 9/ 12/ 15	0.5	2000	-20 to 85	1: Input	TO-220-4
LD30RxxT4	3A	20	3.3/ 5/ 9/ 12	0.5	3000	-20 to 85	2: Output 3: GND 4: EN	
LD20RxxW	2A	20	3.3/ 5/ 9/ 12	0.5	2000	-20 to 85	1: NC	TO-220B
LD30RxxW	3A	20	3.3/ 5/ 9/ 12	0.5	3000	-20 to 85	2: Input 3: Output 4: GND 5: EN	

CMOS Low Dropout Regulator

ICs/Regulator

Part No.	Max. Output Current	Max. Input Voltage	Typical Output Voltage $V_O(V)$	Dropout Voltage @ I_O		Operating Temperature Range $^{\circ}C$	Pinout Configuration	Outline (Typ. in Inches)
	$I_{O(Max)}$	$V_I(V)$		$V_D(V)$	$I_O(mA)$			
LC1102-xxN5	150mA	9	1.5/ 1.8/ 2.5/ 2.7/ 2.8/ 3/ 3.3/ 3.5/ 5	0.4	100	0 to 70	1: Output	SOT-23-5
LC2122-xxN5	150mA	6.5	1.5/ 1.8/ 2.5/ 2.8/ 3/ 3.2/ 3.3	0.6	150	-40 to 85	2: GND	
LC3210-xxN5	150mA	6	2.5/ 2.7/ 2.8/ 3/ 3.3/ 3.5	0.135	150	0 to 70	3: Input 4: EN 5: NC	
LC3202-xxN	200mA	7	1.2/ 1.3/ 1.4/ 1.5/ 1.8/ 2/ 2.3/ 2.5/ 2.8/ 3/ 3.3/ 3.5/ 4.4/ 5	0.25	100	0 to 70	1: GND	SOT-23

Part No.	Description	Max. Input Voltage	Detecting Voltage	Operating Temperature Range	Pinout Configuration	Outline (Typ. in Inches)
		V _I (V)	V _{DT} (V)	°C		
VDH74xxZ	Bipolar Output Detector (Active High)	7.5	1.9/ 2.1/ 2.3/ 2.5/ 2.7/ 2.9/ 3.1/ 3.2/ 3.3/ 3.4/ 3.5/ 3.6/ 3.9/ 4.2/ 4.5	-30 to 75	1:Input 2:GND 3:Output	TO-92 
VDL70xxZ	Bipolar Output Detector (Active Low)	15	1.9/ 2.1/ 2.3/ 2.5/ 2.7/ 2.9/ 3.1/ 3.2/ 3.3/ 3.4/ 3.5/ 3.6/ 3.9/ 4.2/ 4.5	-30 to 75		
VDL81xxZ	Bipolar Output Detector (Active Low)	10	1.8 to 5.0 (0.1 increments)	-20 to 75		
VCL81PxxZ	CMOS Output Detector (Active Low) (with delay time 1~50 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VCL81QxxZ	CMOS Output Detector (Active Low) (with delay time 50~200 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VCL81RxxZ	CMOS Output Detector (Active Low) with delay time 200~400 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VNL81PxxZ	N-MOSFET Output Detector (Active Low) (with delay time 1~50 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VNL81QxxZ	N-MOSFET Output Detector (Active Low) (with delay time 50~200 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VNL81RxxZ	N-MOSFET Output Detector (Active Low) (with delay time 200~400 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VDH74xxK	Bipolar Output Detector (Active High)	7.5	1.9/ 2.1/ 2.3/ 2.5/ 2.7/ 2.9/ 3.1/ 3.2/ 3.3/ 3.4/ 3.5/ 3.6/ 3.9/ 4.2/ 4.5	-30 to 75		
VDL70xxK	Bipolar Output Detector (Active Low)	15	1.9/ 2.1/ 2.3/ 2.5/ 2.7/ 2.9/ 3.1/ 3.2/ 3.3/ 3.4/ 3.5/ 3.6/ 3.9/ 4.2/ 4.5	-30 to 75		
VDL81xxK	Bipolar Output Detector (Active Low)	10	1.8 to 5.0 (0.1 increments)	-20 to 75		
VCL81PxxK	CMOS Output Detector (Active Low) (with delay time 1~50 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VCL81QxxK	CMOS Output Detector (Active Low) (with delay time 50~200 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VCL81RxxK	CMOS Output Detector (Active Low) with delay time 200~400 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VNL81PxxK	N-MOSFET Output Detector (Active Low) (with delay time 1~50 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VDL70xxN	Bipolar Output Detector (Active Low)	15	1.9/ 2.1/ 2.3/ 2.5/ 2.7/ 2.9/ 3.1/ 3.2/ 3.3/ 3.4/ 3.5/ 3.6/ 3.9/ 4.2/ 4.5	-30 to 75	1:Input 2:GND 3:Output	SOT-23 
VDL81xxN	Bipolar Output Detector (Active Low)	10	1.8 to 5.0 (0.1 increments)	-20 to 75		
VCL81PxxN	CMOS Output Detector (Active Low) (with delay time 1~50 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VCL81QxxN	CMOS Output Detector (Active Low) (with delay time 50~200 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VCL81RxxN	CMOS Output Detector (Active Low) with delay time 200~400 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VNL81PxxN	N-MOSFET Output Detector (Active Low) (with delay time 1~50 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VNL81QxxN	N-MOSFET Output Detector (Active Low) (with delay time 50~200 ms)	12	1.8 to 5.0 (0.1 increments)	-30 to 80		
VDL81xxN5	Bipolar Output Detector (Active Low)	10	1.8 to 5.0 (0.1 increments)	-20 to 75	1:Output 2:Input 3:GND 4:NC 5:NC	SOT-23-5 

Part No.	Description	Output Power	Supply Voltage Range	Operating Temperature Range	Outline (Typ. in Inches)
		PD Watts	Vcc (V)	°C	
LM386P8 TBA820P8 TDA2822P8 TA8602P8 MC34119P8 LM555P8	Single Audio Amplifier Single Audio Amplifier Low Voltage Audio Amplifier Low Voltage Audio Amplifier Low Voltage Audio Amplifier Single Timer	1.25 1.2 1.0 0.25 0.25 -	4 to 12 3 to 14 1.8 to 12 2 to 16 -1 to 18 4.5 to 16	0 to 70 0 to 70 -20 to 85 -20 to 70 -20 to 85 0 to 70	DIP-8
LM386S8 TBA820S8 TDA2822S8 TA8602S8 MC34119S8 LM555S8	Single Audio Amplifier Single Audio Amplifier Low Voltage Audio Amplifier Low Voltage Audio Amplifier Low Voltage Audio Amplifier Single Timer	0.6 1.2 0.5 0.25 0.25 -	4 to 12 3 to 14 1.8 to 12 2 to 16 -1 to 18 4.5 to 16	0 to 70 0 to 70 -20 to 85 -20 to 70 -20 to 85 0 to 70	SOP-8
LM386TS8 MC34119TS8	Single Audio Amplifier Low Voltage Audio Amplifier	0.6 0.25	4 to 12 -1 to 18	0 to 70 -20 to 85	TSSOP-8
TDA2003T5	Single Audio Amplifier	10	8 to 18	-20 to 85	TO-220-5
TDA2003W	Single Audio Amplifier	10	8 to 18	-20 to 85	TO-220B
LM556P14	Dual Timer	-	4.5 to 16	0 to 70	DIP-14
LM556S14	Dual Timer	-	4.5 to 16	0 to 70	SOP-14N

SMD Switching Diodes Arrays(Multiple Terminals)

SMD Diodes

Part No.	Marking Code	Peak Reverse Voltage	Max. Forward Voltage Drop @ I _F		Max. Reverse Current @ V _R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 1MHz 0 V	Pinout Diag.	Package	Outline (Typ. in Inches)
		V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)	T _{rr} (ns)	C _T (pF)		7" Reel	
TWG4148CD-126WT	UB	85	1.2	100	0.5	80	4	3	1	4000	SOT-563 (0605)
TWG4148CD-128WT	S8B	85	1.2	100	0.5	80	4	4	3		
TWG4148AD-125WS	S5	85	1.2	100	0.5	80	4	4	2	3000	SOT-363 (0805)
TWG4148CD-126WS	UB	85	1.2	100	0.5	80	4	3	1		
TWG4148AC-128WS	S8	85	1.2	100	0.5	80	4	4	3		
TWG4148T-16WS	16T	100	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	4	1.5	4		
TWG4148AD-56WS	JC	100	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	4	1.5	2		
TWG4148CD-70WS	JA	100	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	4	1.5	1		
TWG4148SD-99WS	JG	100	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	4	1.5	5		
TWG4148AD-125W	S5	85	1.2	100	0.5	80	4	4	2	3000	SOT-23-6 (1206)
TWG4148CD-126W	UB	85	1.2	100	0.5	80	4	3	1		
TWG4148AC-128W	S8	85	1.2	100	0.5	80	4	4	3		
MMBD3004BRM	B34	350	0.87/1/1.25	20/100/200	0.1	240	50	5	6		

SMD Switching Diodes (Three Terminals)

SMD Diodes

Part No.	Marking Code	Peak Reverse Voltage	Max. Forward Voltage Drop @ I _F		Max. Reverse Current @ V _R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 1MHz 0 V	Pinout Diag.	Package	Outline (Typ. in Inches)
		V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)	T _{rr} (ns)	C _T (pF)		7" Reel	
TWT4148S-221F5	DS	20	1.0	10	0.1	15	-	3	3	4000	F5T (0503)
TWT4148A-120F5	A3	85	1.2	100	0.5	80	4	4	5		
TWT4148C-121F5	B3	85	1.2	100	0.5	80	4	3	4		

SMD Switching Diodes (Three Terminals)

SMD Diodes

Part No.	Marking Code	Peak Reverse Voltage	Max. Forward Voltage Drop @ I _F		Max. Reverse Current @ V _R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 1MHz 0 V	Pinout Diag.	Package	Outline (Typ. in Inches)	
		V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)	T _{rr} (ns)	C _T (pF)				7" Reel
TWT4148S-221WT	DS	20	1.0	10	0.1	15	-	3	3	3000	SOT-523 (0603) 	
TWT4148A-120WT	A3	85	1.2	100	0.5	80	4	4	5			
TWT4148C-121WT	B3	85	1.2	100	0.5	80	4	3	4			
BAV70WS	JA	70	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	6	1.5	4	3000	SOT-323 (0805) 	
BAV99WS	JG	70	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	6	1.5	3			
BAW56WS	JC	70	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	6	2	5			
BAS16WS	A6	100	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	6	2	1			
BAS21WS	A82	250	1.0	100	0.1	200	50	5	1			
MMBD2835	A3	35	1.2	100	0.1	30	4	4	5	3000	SOT-23 (1206) 	
BAV74	JA	50	1.0	100	0.1	50	4	2	4			
BAL99	JF	70	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	6	1.5	6			
BAV70	JA								4			
BAV99	JG								3			
BAW56	JC								5			
MMBD4150	D18	75	1.0	200	0.1	50	4	2.5	1			
MMBD6050	T2	80	0.7/1.1	1/100	0.1	50	4	2.5	1			
MMBD6100	T4	80	0.7/1.1	1/100	0.1	50	4	2.5	4			
BAL99-190	E3	85	0.61/0.74/0.92 (Typ.)	1/10/100	0.5	80	4	4	6			
BAV70-184	B3		0.6/0.72/0.9 (Typ.)						4			
BAV99-226	C3		0.6/0.72/0.9 (Typ.)						3			
BAW56-181	A3		0.61/0.74/0.92 (Typ.)						5			
MMBD1202-196	G3		0.6/0.72/0.9 (Typ.)						2			
MMBD4148-193	F3		0.6/0.72/0.9 (Typ.)						1			
MMBD914	T1	100	1.0	10	0.025/5.0	20/75	4	4	1			
MMBD4148	A2		1.0	10	0.025/5.0	20/75			1			
MMBD4448	A3		0.72/1.0	5/100	2.5	75			4			1
MMBD7000	T3		0.7/0.82/1.1	1/10/100	1.0/3.0	50/100			1.5			3
MMBD1201	24	100	0.6/0.74/0.92/1/1.1	1/10/100/200/300	0.025/0.05	20/50	4	2	1			
MMBD1202	25								2			
MMBD1203	26								3			
MMBD1204	27								4			
MMBD1205	28								5			
BAS16	A6	100	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	6	2	1			
BAS19	A8	120	1.0/1.25	100/200	0.1	120	50	5	1			
BAS29	L20	120	0.75/0.84/0.9/1/1.25	10/50/100/200/400	0.1	90	50	2.0	1			
BAS31	L21	120	0.75/0.84/0.9/1/1.25	10/50/100/200/400	0.1	90	50	35	3			

SMD Switching Diodes (Three Terminals)

SMD Diodes

Part No.	Marking Code	Peak Reverse Voltage	Max. Forward Voltage Drop @ I _F		Max. Reverse Current @ V _R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 1MHz 0 V	Pinout Diag.	Package	Outline (Typ. in Inches)	
			V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)						V _R (V)
BAS20	A81	200	1.0/1.25		100/200		0.1	200	50	5	1	
MMBD1401	29	200	0.8/0.92/2/1.1		10/50/200/300		0.04/0.1	120/175	50	2	1	
MMBD1402	31										2	
MMBD1403	32										3	
MMBD1404	33										4	
MMBD1405	34										5	
BAS21	A82	250	1.0/1.25		100/200		0.1	200	50	5	1	
BAS21A	21A	250	0.7/1.0		1/100		0.1	200	50	5	5	
BAS21C	21C	250	0.7/1.0		1/100		0.1	200	50	5	4	
BAS21S	21S	250	0.7/1.0		1/100		0.1	200	50	5	3	
BAS21-135	JA	300	1.2		100		0.2	250	100	3	1	
MMBD3004A	P11	350	0.87/1/1.25		20/100/200		0.01	240	50	5	5	
MMBD3004C	P12	350	0.87/1/1.25		20/100/200		0.01	240	50	5	4	
MMBD3004S	P13	350	0.87/1/1.25		20/100/200		0.01	240	50	5	3	

SMD Switching Diodes (Two Terminals)

SMD Diodes

Part No.	Marking Code	Peak Reverse Voltage	Max. Forward Voltage Drop @ I _F		Max. Reverse Current @ V _R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 0 V	Package	Outline (Typ. in Inches)	
			V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)					V _R (V)
TWD4148-160WU	UF	85	1.2		100		0.5	80	4	3	
TWD4148-16WU	BG	100	1.0		10		1.0	75	4	2	
TWD4148-160WT	UF	85	1.2		100		0.5	80	4	3	
TWD4148-16WT	A6	100	0.855		10		1.0	75	6	2	
TWD4148-160WS	UF	85	1.2		100		0.5	80	4	3	
TWD4148-16WS	A6	100	0.855		10		1.0	75	6	2	
1N4148WS	A2	100	0.715/0.855/1/1.25		1/10/50/150		0.03/2.5	25/75	4	1.5	
1N4448WS	A3	100	0.72/1		5/100		2.5	75	4	4	
BAS16WS	A6	100	0.715/0.855/1/1.25		1/10/50/150		1	75	6	2	
BAV19WS	A8	120	1/1.25		100/200		0.1	100	50	1.5	
BAV20WS	B8	200	1/1.25		100/200		0.1	100	50	1.5	
BAV21WS	C8	250	1/1.25		100/200		0.1	100	50	1.5	
TWD21WS	A82	250	1.0		100		0.1	200	50	5	
TWD21-135WS	JA	300	1.2		100		0.2	250	100	3	
MCL4150	-	50	1.0		200		0.1	50	4	4	
MCL4148	-	100	1.0		10		0.025/5.0	20/75	4	4	
MCL4448	-	100	1.0		100		0.03	20	4	4	
MCL914	-	100	1.0		10		0.025	20	4	4	
BAV301	-	120	1.0		100		0.1	100	50	3	
BAV302	-	200	1.0		100		0.1	150	50	3	
BAV303	-	250	1.0		100		0.1	200	50	3	

SMD Switching Diodes (Two Terminals)

SMD Diodes

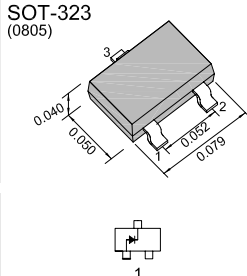
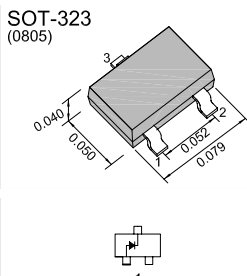
Part No.	Marking Code	Peak Reverse Voltage	Max. Forward Voltage Drop @ I _F		Max. Reverse Current @ V _R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 0 V	Package	Outline (Typ. in Inches)
		V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)	T _{rr} (ns)	C _T (pF)	7" Reel	
1N4150W	A4	50	1.0	200	0.1	50	4	4	3000	
1N4151W	A5	75	1.0	10	0.05	50	2	2		
1N4148W	A2	100	0.715/0.855/1/1.25	1/10/50/150	0.03/2.5	25/75	4	1.5		
1N4448W	A3	100	0.72/1.0	5/100	2.5	75	4	4		
BAV16W	A6	100	0.715/0.855/1/1.25	1/10/50/150	1.0	75	6	2	3000	
BAV19W	A8	120	1/1.25	100/200	0.1	100	50	1.5(Typ)		
BAV20W	A80	200	1/1.25	100/200	0.1	150	50	1.5(Typ)		
BAV21W	A82	250	1/1.25	100/200	0.1	200	50	1.5(Typ)		
LL4154	-	35	1.0	30	0.1	25	4	4	2500	
LL4150	-	50	1.0	200	0.1	50	4	4		
LL4151	-	75	1.0	50	0.05	50	4	2		
LL4148	-	100	1.0	10	0.025/5.0	20/75	4	4		
LL4448	-	100	0.72/1.0	5/100	0.025/5.0	20/75	4	4		
FDLL914	-	100	1.0	10	0.025/5.0	20/75	4	4		
BAV101	-	120	1.0	100	0.1	100	75	3	2500	
BAV102	-	200	1.0	100	0.1	150	75	3		
FDLL3070	-	200	1.0	100	0.1	175	50	5		
BAV103	-	250	1.0	100	0.1	200	75	3		
LS4154	-	35	1.0	30	0.1	25	4	4	2500	
LS4150	-	50	1.0	200	0.1	50	4	4		
LS4151	-	75	1.0	50	0.05	50	4	2		
LS4148	-	100	1.0	10	0.025/5.0	20/75	4	4		
LS4448	-	100	1.0	100	0.03	20	4	4		

SMD Other Diodes (Three Terminals)

Part No.	Marking Code	Peak Reverse Voltage	Max. Forward Voltage Drop @ I _F		Max. Reverse Current @ V _R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 1MHz 0 V	Pinout Diag.	Package	Outline (Typ. in Inches)
		V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)	T _{rr} (ns)	C _T (pF)	7" Reel		
MMBD1501A	A11	200	1.1	200	0.01	180	-	4	1	3000	
MMBD1503A	A13	200	1.1	200	0.01	180	-	4	3		
MMBD1504A	A14	200	1.1	200	0.01	180	-	4	4		
MMBD1505A	A15	200	1.1	200	0.01	180	-	4	5		

SMD Zener Diodes (Three Terminals) - 200mW

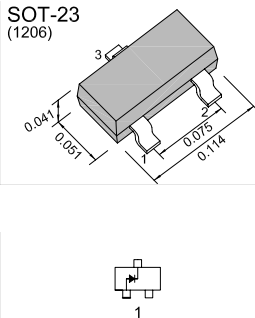
SMD Zener

200mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom. V _Z (V)	Min. V _Z (V)	Max. V _Z (V)		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
TZTC2V4WS	W1	2.4	2.28	2.52	5.0	100	600	1.0	50	1.0	3000	
TZTC2V7WS	W2	2.7	2.57	2.84	5.0	100	600	1.0	20	1.0		
TZTC3V0WS	W3	3.0	2.85	3.15	5.0	95	600	1.0	10	1.0		
TZTC3V3WS	W4	3.3	3.14	3.47	5.0	95	600	1.0	5	1.0		
TZTC3V6WS	W5	3.6	3.42	3.78	5.0	90	600	1.0	5	1.0		
TZTC3V9WS	W6	3.9	3.71	4.10	5.0	90	600	1.0	3	1.0		
TZTC4V3WS	W7	4.3	4.09	4.52	5.0	90	600	1.0	3	1.0		
TZTC4V7WS	W8	4.7	4.47	4.94	5.0	80	500	1.0	3	2.0		
TZTC5V1WS	W9	5.1	4.85	5.36	5.0	60	480	1.0	2	2.0		
TZTC5V6WS	WA	5.6	5.32	5.88	5.0	40	400	1.0	1	2.0		
TZTC6V2WS	WB	6.2	5.89	6.51	5.0	10	150	1.0	3	4.0		
TZTC6V8WS	WC	6.8	6.46	7.14	5.0	15	80	1.0	2	4.0		
TZTC7V5WS	WD	7.5	7.13	7.88	5.0	15	80	1.0	1	5.0		
TZTC8V2WS	WE	8.2	7.79	8.61	5.0	15	80	1.0	0.7	5.0		
TZTC8V7WS	87C	8.7	8.27	9.14	5.0	15	100	1.0	0.7	5.0		
TZTC9V1WS	WF	9.1	8.65	9.56	5.0	15	100	1.0	0.5	6.0		
TZTC10WS	WG	10	9.50	10.50	5.0	20	150	1.0	0.2	7.0		
TZTC11WS	WH	11	10.45	11.55	5.0	20	150	1.0	0.1	8.0		
TZTC12WS	WI	12	11.40	12.60	5.0	25	150	1.0	0.1	8.0		
TZTC13WS	WK	13	12.35	13.65	5.0	30	170	1.0	0.1	8.0		
TZTC14WS	WJ	14	13.30	14.70	5.0	30	170	1.0	0.1	10.0		
TZTC15WS	WL	15	14.25	15.75	5.0	30	200	1.0	0.1	10.5		
TZTC16WS	WM	16	15.20	16.80	5.0	40	200	1.0	0.1	11.2		
TZTC17WS	17C	17	16.15	17.85	5.0	40	200	1.0	0.1	12.2		
TZTC18WS	WN	18	17.10	18.90	5.0	45	225	1.0	0.1	12.6		
TZTC20WS	WO	20	19.00	21.00	5.0	55	225	1.0	0.1	14.0		
TZTC22WS	WP	22	20.90	23.10	5.0	55	250	1.0	0.1	15.4		
TZTC24WS	WR	24	22.80	25.20	5.0	70	250	1.0	0.1	16.8		
TZTC27WS	WS	27	25.65	28.35	5.0	80	300	1.0	0.1	18.9		
TZTC28WS	28C	28	26.60	29.40	5.0	80	300	1.0	0.1	21.0		
TZTC30WS	WT	30	28.50	31.50	5.0	80	300	1.0	0.1	23.1		
TZTC33WS	WU	33	31.35	34.65	5.0	80	325	1.0	0.1	25.2		
TZTC36WS	WW	36	34.20	37.80	5.0	90	350	1.0	0.1	27.3		
TZTC39WS	WX	39	37.05	40.95	5.0	130	350	1.0	0.1	30.1		
TZTC43WS	WY	43	40.85	45.15	5.0	150	375	1.0	0.1	35.7		
TZTC47WS	WZ	47	44.65	49.35	5.0	170	375	1.0	0.1	39.2		
TZTC51WS	XA	51	48.45	53.55	5.0	100	400	1.0	0.1	38.0		
MMBZ5225BWS	C5	3.0	2.85	3.15	20	30	1600	0.25	50	1.0	3000	
MMBZ5226BWS	D1	3.3	3.14	3.47	20	28	1600	0.25	25	1.0		
MMBZ5227BWS	D2	3.6	3.42	3.78	20	24	1700	0.25	15	1.0		
MMBZ5228BWS	D3	3.9	3.71	4.1	20	23	1900	0.25	10	1.0		
MMBZ5229BWS	D4	4.3	4.09	4.52	20	22	2000	0.25	5.0	1.0		
MMBZ5230BWS	D5	4.7	4.47	4.94	20	19	1900	0.25	5.0	2.0		
MMBZ5231BWS	E1	5.1	4.85	5.36	20	17	1600	0.25	5.0	2.0		
MMBZ5232BWS	E2	5.6	5.32	5.88	20	11	1600	0.25	5.0	3.0		
MMBZ5233BWS	E3	6.0	5.70	6.30	20	7	1600	0.25	5.0	3.5		
MMBZ5234BWS	E4	6.2	5.89	6.51	20	7	1000	0.25	5.0	4.0		
MMBZ5235BWS	E5	6.8	6.46	7.14	20	5	750	0.25	3.0	5.0		
MMBZ5236BWS	F1	7.5	7.13	7.88	20	6	500	0.25	3.0	6.0		
MMBZ5237BWS	F2	8.2	7.79	8.61	20	8	500	0.25	3.0	6.5		
MMBZ5238BWS	F3	8.7	8.27	9.14	20	8	600	0.25	3.0	6.5		
MMBZ5239BWS	F4	9.1	8.65	9.56	20	10	600	0.25	3.0	7.0		
MMBZ5240BWS	F5	10	9.50	10.50	20	17	600	0.25	3.0	8.0		
MMBZ5241BWS	H1	11	10.45	11.55	20	22	600	0.25	2.0	8.4		
MMBZ5242BWS	H2	12	11.40	12.60	20	30	600	0.25	1.0	9.1		
MMBZ5243BWS	H3	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9		
MMBZ5244BWS	H4	14	13.30	14.70	9.0	15	600	0.25	0.1	10		
MMBZ5245BWS	H5	15	14.25	15.75	8.5	16	600	0.25	0.1	11		

SMD Zener Diodes (Three Terminals) - 200mW

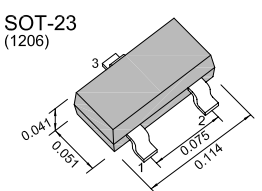
SMD Zener

200mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)						7" Reel	
MMBZ5246BWS	J1	16	15.20	16.80	7.8	17	600	0.25	0.1	12	3000	<p>SOT-323 (0805)</p>
MMBZ5247BWS	J2	17	16.15	17.85	7.4	19	600	0.25	0.1	13		
MMBZ5248BWS	J3	18	17.10	18.90	7.0	21	600	0.25	0.1	14		
MMBZ5249BWS	J4	19	18.05	19.95	6.6	23	600	0.25	0.1	14		
MMBZ5250BWS	J5	20	19.00	21.00	6.2	25	600	0.25	0.1	15		
MMBZ5251BWS	K1	22	20.90	23.10	5.6	29	600	0.25	0.1	17		
MMBZ5252BWS	K2	24	22.80	25.20	5.2	33	600	0.25	0.1	18		
MMBZ5253BWS	K3	25	23.75	26.25	5.0	35	600	0.25	0.1	19		
MMBZ5254BWS	K4	27	25.65	28.35	4.6	41	600	0.25	0.1	21		
MMBZ5255BWS	K5	28	26.60	29.40	4.5	44	600	0.25	0.1	21		
MMBZ5256BWS	M1	30	28.50	31.50	4.2	49	600	0.25	0.1	23		
MMBZ5257BWS	M2	33	31.35	34.65	3.8	58	700	0.25	0.1	25		
MMBZ5258BWS	M3	36	34.20	37.8	3.4	70	700	0.25	0.1	27		
MMBZ5259BWS	M4	39	37.05	40.95	3.2	80	800	0.25	0.1	30		
MMBZ5260BWS	M5	43	40.85	45.15	3.0	93	900	0.25	0.1	33		
MMBZ5261BWS	N1	47	44.65	49.35	2.7	105	1000	0.25	0.1	36		
MMBZ5262BWS	N2	51	48.45	53.55	2.5	125	1100	0.25	0.1	39		
TZT2.0W	2A	2.0	1.85	2.15	5	100	1000	0.5	120	1	3000	<p>SOT-23 (1206)</p>
TZT2.0XW	2AX		2.05	2.05								
TZT2.0ZW	2AZ		1.95	2.15								
TZT2.2W	2B	2.2	2.05	2.38	5	100	1000	0.5	120	1		
TZT2.2XW	2BX		2.05	2.26								
TZT2.2ZW	2BZ		2.16	2.38								
TZT2.4W	2C	2.4	2.28	2.60	5	100	1000	0.5	120	1		
TZT2.4XW	2CX		2.28	2.50								
TZT2.4ZW	2CZ		2.40	2.60								
TZT2.7W	2D	2.7	2.50	2.90	5	110	1000	0.5	120	1		
TZT2.7XW	2DX		2.50	2.75								
TZT2.7ZW	2DZ		2.65	2.90								
TZT3.0W	30	3.0	2.80	3.20	5	120	1000	0.5	50	1		
TZT3.0XW	30X		2.80	3.05								
TZT3.0ZW	30Z		2.95	3.20								
TZT3.3W	33	3.3	3.10	3.50	5	130	1000	0.5	20	1		
TZT3.3XW	33X		3.10	3.35								
TZT3.3ZW	33Z		3.25	3.50								
TZT3.6W	36	3.6	3.40	3.80	5	130	1000	0.5	10	1		
TZT3.6XW	36X		3.40	3.65								
TZT3.6ZW	36Z		3.55	3.80								
TZT3.9W	39	3.9	3.70	4.10	5	130	1000	0.5	10	1		
TZT3.9XW	39X		3.70	3.97								
TZT3.9ZW	39Z		3.87	4.10								
TZT4.3W	4.3	4.3	4.00	4.50	5	130	1000	0.5	5	1		
TZT4.3XW	4.3X		4.00	4.23								
TZT4.3YW	4.3Y		4.13	4.35								
TZT4.3ZW	4.3Z		4.25	4.50								
TZT4.7W	4.7	4.7	4.40	4.90	5	120	1000	0.5	5	1		
TZT4.7XW	4.7X		4.40	4.63								
TZT4.7YW	4.7Y		4.53	4.76								
TZT4.7ZW	4.7Z		4.66	4.90								
TZT5.1W	5.1	5.1	4.80	5.40	5	70	1000	0.5	1	1.5		
TZT5.1XW	5.1X		4.80	5.07								
TZT5.1YW	5.1Y		4.97	5.24								
TZT5.1ZW	5.1Z		5.14	5.40								
TZT5.6W	5.6	5.6	5.30	6.00	5	40	900	0.5	1	2.5		
TZT5.6XW	5.6X		5.30	5.63								
TZT5.6YW	5.6Y		5.43	5.81								
TZT5.6ZW	5.6Z		5.61	6.00								

200mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)											
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)													
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)						7" Reel												
TZT6.2W TZT6.2XW TZT6.2YW TZT6.2ZW	6.2 6.2X 6.2Y 6.2Z	6.2	5.80	6.60	5	30	500	0.5	1	3	3000												
TZT6.8W TZT6.8XW TZT6.8YW TZT6.8ZW	6.8 6.8X 6.8Y 6.8Z		6.40	7.20									6.40	6.80	7.02	6.82	7.20	5	25	150	0.5	0.5	5
TZT7.5W TZT7.5XW TZT7.5YW TZT7.5ZW	7.5 7.5X 7.5Y 7.5Z		7.5	7.00									7.90	7.00	7.43	7.66	7.90	5	23	120	0.5	0.5	6
TZT8.2W TZT8.2XW TZT8.2YW TZT8.2ZW	8.2 8.2X 8.2Y 8.2Z		8.2	7.70									8.70	7.70	8.16	7.96	8.43	8.23	8.70	5	20	120	0.5
TZT9.1W TZT9.1XW TZT9.1YW TZT9.1ZW	9.1 9.1X 9.1Y 9.1Z	9.1	8.50	9.60	8.50	9.00	8.80	9.30	9.10	9.60			5	18	120	0.5	0.5	7					
TZT10W TZT10XW TZT10YW TZT10ZW	10 10X 10Y 10Z	10	9.40	10.60	9.40	9.93	9.73	10.26	10.06	10.60			5	15	120	0.5	0.5	8					
TZT11W TZT11XW TZT11YW TZT11ZW	11 11X 11Y 11Z	11	10.40	11.60	10.40	10.98	10.73	11.26	11.06	11.60			5	15	120	0.5	0.5	8.5					
TZT12W TZT12XW TZT12YW TZT12ZW	12 12X 12Y 12Z	12	11.40	12.60	11.40	11.93	11.73	12.26	12.06	12.60			5	15	110	0.5	0.5	9					
TZT13W TZT13XW TZT13YW TZT13ZW	13 13X 13Y 13Z	13	12.40	14.10	12.40	13.08	12.88	13.57	13.37	14.10			5	15	110	0.5	0.5	10					
TZT15W TZT15XW TZT15YW TZT15ZW	15 15X 15Y 15Z	15	13.80	15.60	13.80	14.63	14.33	15.11	14.81	15.60			5	15	110	0.5	0.5	11					
TZT16W TZT16XW TZT16YW TZT16ZW	16 16X 16Y 16Z	16	15.30	17.10	15.30	16.10	15.80	16.60	16.30	17.10			5	18	150	0.5	0.5	12					
TZT18W TZT18XW TZT18YW TZT18ZW	18 18X 18Y 18Z	18	16.80	19.10	16.80	17.76	17.46	18.43	18.13	19.10			5	20	150	0.5	0.5	14					
TZT20W TZT20XW TZT20YW TZT20ZW	20 20X 20Y 20Z	20	18.80	21.20	18.80	19.78	19.48	20.46	20.16	21.20			5	25	200	0.5	0.5	15					
TZT22W TZT22XW TZT22YW TZT22ZW	22 22X 22Y 22Z	22	20.80	23.30	20.80	21.88	21.48	22.56	22.16	23.30			5	30	200	0.5	0.5	17					

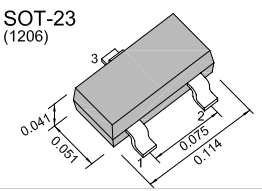

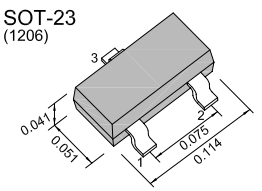

SMD Zener Diodes (Three Terminals) - 200mW

SMD Zener

200mW	Marking Code	Normal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" Reel	
TZT24W TZT24XW TZT24YW TZT24ZW	24 24X 24Y 24Z	24	22.80 22.80 23.61 24.42	25.60 24.11 24.92 25.60	5	40	200	0.5	0.5	19	3000	SOT-23 (1206) 

SMD Zener Diodes (Three Terminals) - 300mW

SMD Zener

300mW	Cross Reference	Marking Code	Normal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.			V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" Reel	
TZT3V9AW	AZ23C3V9	D3.9	3.9	3.7	4.1	5.0	90	600	5.0	3.00	1.0	3000	SOT-23 (1206)  
TZT4V3AW	AZ23C4V3	D4.3	4.3	4.0	4.6	5.0	90	600	5.0	3.00	1.0		
TZT4V7AW	AZ23C4V7	D4.7	4.7	4.4	5.0	5.0	80	500	5.0	3.00	2.0		
TZT5V1AW	AZ23C5V1	D5.1	5.1	4.8	5.4	5.0	60	480	5.0	2.00	2.0		
TZT5V6AW	AZ23C5V6	D5.6	5.6	5.2	6.0	5.0	40	400	5.0	1.00	2.0		
TZT6V2AW	AZ23C6V2	D6.2	6.2	5.8	6.6	5.0	10	150	5.0	3.00	4.0		
TZT6V8AW	AZ23C6V8	D6.8	6.8	6.4	7.2	5.0	15	80	5.0	2.00	4.0		
TZT7V5AW	AZ23C7V5	D7.5	7.5	7.0	7.9	5.0	15	80	5.0	1.00	5.0		
TZT8V2AW	AZ23C8V2	D8.2	8.2	7.7	8.7	5.0	15	80	5.0	0.70	5.0		
TZT9V1AW	AZ23C9V1	D9.1	9.1	8.5	9.6	5.0	15	100	5.0	0.50	6.0		
TZT10AW	AZ23C10	D10	10	9.4	10.6	5.0	20	150	5.0	0.20	7.0		
TZT11AW	AZ23C11	D11	11	10.4	11.6	5.0	20	150	1.0	0.10	8.0		
TZT12AW	AZ23C12	D12	12	11.4	12.7	5.0	25	150	1.0	0.10	8.0		
TZT13AW	AZ23C13	D13	13	12.4	14.1	5.0	30	170	1.0	0.10	8.0		
TZT15AW	AZ23C15	D15	15	13.8	15.6	5.0	30	200	1.0	0.05	10.5		
TZT16AW	AZ23C16	D16	16	15.3	17.1	5.0	40	200	1.0	0.05	11.2		
TZT18AW	AZ23C18	D18	18	16.8	19.1	5.0	45	225	1.0	0.05	12.6		
TZT20AW	AZ23C20	D20	20	18.8	21.2	5.0	55	225	1.0	0.05	14.0		
TZT22AW	AZ23C22	D22	22	20.8	23.3	5.0	55	250	1.0	0.05	15.4		
TZT24AW	AZ23C24	D24	24	22.8	25.6	5.0	70	250	1.0	0.05	16.8		
TZT27AW	AZ23C27	D27	27	25.1	28.9	2.0	80	300	0.5	0.05	18.9		
TZT30AW	AZ23C30	D30	30	28.0	32.0	2.0	80	300	0.5	0.05	21.0		
TZT33AW	AZ23C33	D33	33	31.0	35.0	2.0	80	325	0.5	0.05	23.1		
TZT36AW	AZ23C36	D36	36	34.0	38.0	2.0	90	350	0.5	0.05	25.2		
TZT39AW	AZ23C39	D39	39	37.0	41.0	2.0	130	350	0.5	0.05	27.3		
TZT43AW	AZ23C43	D43	43	40.0	46.0	2.0	150	375	0.5	0.05	30.1		
TZT47AW	AZ23C47	D47	47	44.0	50.0	2.0	170	375	0.5	0.05	32.9		
TZT3V3CW	DZ23C3V3	ZF	3.3	3.1	3.5	5.0	95	600	1.0	5.00	1.0	3000	SOT-23 (1206)  
TZT3V6CW	DZ23C3V6	ZG	3.6	3.4	3.8	5.0	90	600	1.0	5.00	1.0		
TZT3V9CW	DZ23C3V9	ZH	3.9	3.7	4.1	5.0	90	600	1.0	3.00	1.0		
TZT4V3CW	DZ23C4V3	ZJ	4.3	4.0	4.6	5.0	90	600	1.0	3.00	1.0		
TZT4V7CW	DZ23C4V7	ZK	4.7	4.4	5.0	5.0	80	500	1.0	3.00	2.0		
TZT5V1CW	DZ23C5V1	ZL	5.1	4.8	5.4	5.0	60	480	1.0	2.00	2.0		
TZT5V6CW	DZ23C5V6	ZM	5.6	5.2	6.0	5.0	40	400	1.0	1.00	2.0		
TZT6V2CW	DZ23C6V2	ZN	6.2	5.8	6.6	5.0	10	150	1.0	3.00	4.0		
TZT6V8CW	DZ23C6V8	ZP	6.8	6.4	7.2	5.0	15	80	1.0	2.00	4.0		
TZT7V5CW	DZ23C7V5	ZT	7.5	7.0	7.9	5.0	15	80	1.0	1.00	5.0		
TZT8V2CW	DZ23C8V2	ZV	8.2	7.7	8.7	5.0	15	80	1.0	0.70	5.0		
TZT9V1CW	DZ23C9V1	ZW	9.1	8.5	9.6	5.0	15	100	1.0	0.50	6.0		
TZT10CW	DZ23C10	ZX	10	9.4	10.6	5.0	20	150	1.0	0.20	7.0		
TZT11CW	DZ23C11	ZY	11	10.4	11.6	5.0	20	150	1.0	0.10	8.0		
TZT12CW	DZ23C12	ZZ	12	11.4	12.7	5.0	25	150	1.0	0.10	8.0		
TZT13CW	DZ23C13	YB	13	12.4	14.1	5.0	30	170	1.0	0.10	8.0		

SMD Zener Diodes (Three Terminals) - 300mW

SMD Zener

300mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
TZT15CW	DZ23C15	YC	15	13.8	15.6	5.0	30	200	1.0	0.05	10.5	3000	
TZT16CW	DZ23C16	YD	16	15.3	17.1	5.0	40	200	1.0	0.05	11.2		
TZT18CW	DZ23C18	YE	18	16.8	19.1	5.0	45	225	1.0	0.05	12.6		
TZT20CW	DZ23C20	YF	20	18.8	21.2	5.0	55	225	1.0	0.05	14.0		
TZT22CW	DZ23C22	YG	22	20.8	23.3	5.0	55	250	1.0	0.05	15.4		
TZT24CW	DZ23C24	YH	24	22.8	25.6	5.0	70	250	1.0	0.05	16.8		
TZT27CW	DZ23C27	YJ	27	25.1	28.9	2.0	80	300	0.5	0.05	18.9		
TZT30CW	DZ23C30	YK	30	28.0	32.0	2.0	80	300	0.5	0.05	21.0		
TZT33CW	DZ23C33	YL	33	31.0	35.0	2.0	80	325	0.5	0.05	23.1		
TZT36CW	DZ23C36	YM	36	34.0	38.0	2.0	90	350	0.5	0.05	25.2		
TZT39CW	DZ23C39	YN	39	37.0	41.0	2.0	130	350	0.5	0.05	27.3		

SMD Zener Diodes (Three Terminals)- 350mW

SMD Zener

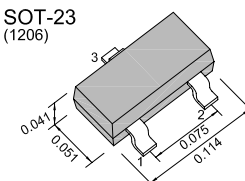
350mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
BZX84C2V4	Z11	2.4	2.2	2.6	5.0	100	600	1.0	50.00	1.0	3000	
BZX84C2V7	Z12	2.7	2.5	2.9	5.0	100	600	1.0	20.00	1.0		
BZX84C3V0	Z13	3.0	2.8	3.2	5.0	95	600	1.0	10.00	1.0		
BZX84C3V3	Z14	3.3	3.1	3.5	5.0	95	600	1.0	5.00	1.0		
BZX84C3V6	Z15	3.6	3.4	3.8	5.0	90	600	1.0	5.00	1.0		
BZX84C3V9	Z16	3.9	3.7	4.1	5.0	90	600	1.0	3.00	1.0		
BZX84C4V3	Z17	4.3	4.0	4.6	5.0	90	600	1.0	3.00	1.0		
BZX84C4V7	Z1	4.7	4.4	5.0	5.0	80	500	1.0	3.00	2.0		
BZX84C5V1	Z2	5.1	4.8	5.4	5.0	60	480	1.0	2.00	2.0		
BZX84C5V6	Z3	5.6	5.2	6.0	5.0	40	400	1.0	1.00	2.0		
BZX84C6V2	Z4	6.2	5.8	6.6	5.0	10	150	1.0	3.00	4.0		
BZX84C6V8	Z5	6.8	6.4	7.2	5.0	15	80	1.0	2.00	4.0		
BZX84C7V5	Z6	7.5	7.0	7.9	5.0	15	80	1.0	1.00	5.0		
BZX84C8V2	Z7	8.2	7.7	8.7	5.0	15	80	1.0	0.70	5.0		
BZX84C9V1	Z8	9.1	8.5	9.6	5.0	15	100	1.0	0.50	6.0		
BZX84C10	Z9	10	9.4	10.6	5.0	20	150	1.0	0.20	7.0		
BZX84C11	Y1	11	10.4	11.6	5.0	20	150	1.0	0.10	8.0		
BZX84C12	Y2	12	11.4	12.7	5.0	25	150	1.0	0.10	8.0		
BZX84C13	Y3	13	12.4	14.1	5.0	30	170	1.0	0.10	8.0		
BZX84C15	Y4	15	13.8	15.6	5.0	30	200	1.0	0.05	0.7		
BZX84C16	Y5	16	15.3	17.1	5.0	40	200	1.0	0.05	0.7		
BZX84C18	Y6	18	16.8	19.1	5.0	45	225	1.0	0.05	0.7		
BZX84C20	Y7	20	18.8	21.2	5.0	55	225	1.0	0.05	0.7		
BZX84C22	Y8	22	20.8	23.3	5.0	55	250	1.0	0.05	0.7		
BZX84C24	Y9	24	22.8	25.6	2.0	70	250	0.5	0.05	0.7		
BZX84C27	Y10	27	25.1	28.9	2.0	80	300	0.5	0.05	0.7		
BZX84C30	Y11	30	28.0	32.0	2.0	80	300	0.5	0.05	0.7		
BZX84C33	Y12	33	31.0	35.0	2.0	80	325	0.5	0.05	0.7		
BZX84C36	Y13	36	34.0	38.0	2.0	90	350	0.5	0.05	0.7		
BZX84C39	Y14	39	37.0	41.0	2.0	130	350	0.5	0.05	0.7		
BZX84C43	Y15	43	40.0	46.0	2.0	150	375	0.5	0.05	0.7		
BZX84C47	Y16	47	44.0	50.0	2.0	170	375	0.5	0.05	0.7		
BZX84C51	Y17	51	48.0	54.0	2.0	180	400	0.5	0.05	0.7		
BZX84C56	Y18	56	52.0	60.0	2.0	200	425	0.5	0.05	0.7		
BZX84C62	Y19	62	58.0	66.0	2.0	215	450	0.5	0.05	0.7		
BZX84C68	Y20	68	64.0	72.0	2.0	240	475	0.5	0.05	0.7		
BZX84C75	Y21	75	70.0	79.0	2.0	255	500	0.5	0.05	0.7		

SMD Zener Diodes (Three Terminals)- 350mW

SMD Zener

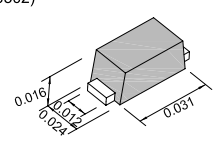
350mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)						7" Reel	
MMBZ5225B	18E	3.0	2.85	3.15	20.0	30.0	1600	0.25	50.0	1.0		
MMBZ5226B	8A	3.3	3.14	3.47	20.0	28.0	1600	0.25	25.0	1.0		
MMBZ5227B	8B	3.6	3.42	3.78	20.0	24.0	1700	0.25	15.0	1.0		
MMBZ5228B	8C	3.9	3.71	4.10	20.0	23.0	1900	0.25	10.0	1.0		
MMBZ5229B	8D	4.3	4.09	4.52	20.0	22.0	2000	0.25	5.0	1.0		
MMBZ5230B	8E	4.7	4.47	4.94	20.0	19.0	1900	0.25	5.0	2.0		
MMBZ5231B	8F	5.1	4.85	5.36	20.0	17.0	1600	0.25	5.0	2.0		
MMBZ5232B	8G	5.6	5.32	5.88	20.0	11.0	1600	0.25	5.0	3.0		
MMBZ5233B	8H	6.0	5.70	6.30	20.0	7.0	1600	0.25	5.0	3.5		
MMBZ5234B	8J	6.2	5.89	6.51	20.0	7.0	1000	0.25	5.0	4.0		
MMBZ5235B	8K	6.8	6.46	7.14	20.0	5.0	750	0.25	3.0	5.0		
MMBZ5236B	8L	7.5	7.13	7.88	20.0	6.0	500	0.25	3.0	6.0		
MMBZ5237B	8M	8.2	7.79	8.61	20.0	8.0	500	0.25	3.0	6.5		
MMBZ5238B	8N	8.7	8.27	9.14	20.0	8.0	600	0.25	3.0	6.5		
MMBZ5239B	8P	9.1	8.65	9.56	20.0	10.0	600	0.25	3.0	7.0		
MMBZ5240B	8Q	10	9.50	10.50	20.0	17.0	600	0.25	3.0	8.0		
MMBZ5241B	8R	11	10.45	11.55	20.0	22.0	600	0.25	2.0	8.4		
MMBZ5242B	8S	12	11.40	12.60	20.0	30.0	600	0.25	1.0	9.1		
MMBZ5243B	8T	13	12.35	13.65	9.5	13.0	600	0.25	0.5	9.9		
MMBZ5244B	8U	14	13.30	14.70	9.0	15.0	600	0.25	0.1	10.0		
MMBZ5245B	8V	15	14.25	15.75	8.5	16.0	600	0.25	0.1	11.0		
MMBZ5246B	8W	16	15.20	16.80	7.8	17.0	600	0.25	0.1	12.0	3000	
MMBZ5247B	8X	17	16.15	17.85	7.4	19.0	600	0.25	0.1	13.0		
MMBZ5248B	8Y	18	17.10	18.90	7.0	21.0	600	0.25	0.1	14.0		
MMBZ5249B	8Z	19	18.05	19.95	6.6	23.0	600	0.25	0.1	14.0		
MMBZ5250B	81A	20	19.00	21.00	6.2	25.0	600	0.25	0.1	15.0		
MMBZ5251B	81B	22	20.90	23.10	5.6	29.0	600	0.25	0.1	17.0		
MMBZ5252B	81C	24	22.80	25.20	5.2	33.0	600	0.25	0.1	18.0		
MMBZ5253B	81D	25	23.75	26.25	5.0	35.0	600	0.25	0.1	19.0		
MMBZ5254B	81E	27	25.65	28.35	4.6	41.0	600	0.25	0.1	21.0		
MMBZ5255B	81F	28	26.60	29.40	4.5	44.0	600	0.25	0.1	21.0		
MMBZ5256B	81G	30	28.50	31.50	4.2	49.0	600	0.25	0.1	23.0		
MMBZ5257B	81H	33	31.35	34.65	3.8	58.0	700	0.25	0.1	25.0		
MMBZ5258B	81J	36	34.20	37.80	3.4	70.0	700	0.25	0.1	27.0		
MMBZ5259B	81K	39	37.05	40.95	3.2	80.0	800	0.25	0.1	30.0		
MMBZ5260B	81F	43	40.85	45.15	3.0	93.0	900	0.25	0.1	33.0		
MMBZ5261B	81M	47	44.65	49.35	2.7	105.0	1000	0.25	0.1	36.0		
MMBZ5262B	81N	51	48.45	53.55	2.5	125.0	1100	0.25	0.1	39.0		
MMBZ5263B	81P	56	53.20	58.80	2.2	150.0	1300	0.25	0.1	43.0		
MMBZ5264B	81Q	60	57.00	63.00	2.1	170.0	1400	0.25	0.1	46.0		
MMBZ5265B	81R	62	58.90	65.10	2.0	185.0	1400	0.25	0.1	47.0		
MMBZ5266B	81S	68	64.60	71.40	1.8	230.0	1600	0.25	0.1	52.0		
MMBZ5267B	81T	75	71.25	78.75	1.7	270.0	1700	0.25	0.1	56.0		

SOT-23
(1206)



SMD Zener Diodes (Two Terminals) - 100mW

SMD Zener

100mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z _{KT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{KT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
TZD3.6F3	-	-	3.6	3.60	3.845	5.0	100	1000	1.0	10.0	1.0	5000	F3D (0302) 
TZD3.9F3	-	-	3.9	3.89	4.16	5.0	100	1000	1.0	5.0	1.0		
TZD4.3F3	-	-	4.3	4.17	4.43	5.0	100	1000	1.0	5.0	1.0		
TZD4.7F3	-	-	4.7	4.55	4.75	5.0	100	800	0.5	2.0	1.0		
TZD5.1F3	-	-	5.1	4.98	5.20	5.0	80	500	0.5	2.0	1.5		
TZD5.6F3	-	-	5.6	5.49	5.73	5.0	60	200	0.5	1.0	2.5		
TZD6.2F3	-	-	6.2	6.06	6.33	5.0	60	100	0.5	1.0	3.0		
TZD6.8F3	-	-	6.8	6.65	6.93	5.0	40	60	0.5	0.5	3.5		
TZD7.5F3	-	-	7.5	7.28	7.60	5.0	30	60	0.5	0.5	4.0		
TZD8.2F3	-	-	8.2	8.02	8.36	5.0	30	60	0.5	0.5	5.0		
TZD9.1F3	-	-	9.1	8.85	9.23	5.0	30	60	0.5	0.5	6.0		
TZD10F3	-	-	10	9.77	10.21	5.0	30	60	0.5	0.1	7.0		
TZD11F3	-	-	11	10.76	11.22	5.0	30	60	0.5	0.1	8.0		
TZD12F3	-	-	12	11.74	12.24	5.0	30	80	0.5	0.1	9.0		
TZD13F3	-	-	13	12.91	13.49	5.0	37	80	0.5	0.1	10.0		
TZD15F3	-	-	15	14.34	14.98	5.0	42	80	0.5	0.1	11.0		
TZD16F3	-	-	16	15.85	16.51	5.0	50	80	0.5	0.1	12.0		
TZD18F3	-	-	18	17.56	18.35	2.0	65	80	0.5	0.1	13.0		
TZD20F3	-	-	20	19.52	20.39	2.0	85	100	0.5	0.1	15.0		
TZD22F3	-	-	22	21.54	22.47	2.0	100	100	0.5	0.1	17.0		
TZD24F3	-	-	24	23.72	24.78	2.0	120	120	0.5	0.1	19.0		
TZD27F3	-	-	27	26.19	27.53	2.0	150	150	0.5	0.1	21.0		
TZD30F3	-	-	30	29.19	30.69	2.0	200	200	0.5	0.1	23.0		
TZD33F3	-	-	33	32.15	33.79	2.0	250	250	0.5	0.1	25.0		
TZD36F3	-	-	36	35.07	36.87	2.0	300	300	0.5	0.1	27.0		
TZD3.6WU	BZX784C3V6	ZG	3.6	3.60	3.845	5.0	100	1000	1.0	10.0	1.0		
TZD3.9WU	BZX784C3V9	ZH	3.9	3.89	4.16	5.0	100	1000	1.0	5.0	1.0		
TZD4.3WU	BZX784C4V3	ZJ	4.3	4.17	4.43	5.0	100	1000	1.0	5.0	1.0		
TZD4.7WU	BZX784C4V7	ZK	4.7	4.55	4.75	5.0	100	800	0.5	2.0	1.0		
TZD5.1WU	BZX784C5V1	ZL	5.1	4.98	5.20	5.0	80	500	0.5	2.0	1.5		
TZD5.6WU	BZX784C5V6	ZM	5.6	5.49	5.73	5.0	60	200	0.5	1.0	2.5		
TZD6.2WU	BZX784C6V2	ZN	6.2	6.06	6.33	5.0	60	100	0.5	1.0	3.0		
TZD6.8WU	BZX784C6V8	ZP	6.8	6.65	6.93	5.0	40	60	0.5	0.5	3.5		
TZD7.5WU	BZX784C7V5	ZQ	7.5	7.28	7.60	5.0	30	60	0.5	0.5	4.0		
TZD8.2WU	BZX784C8V2	ZR	8.2	8.02	8.36	5.0	30	60	0.5	0.5	5.0		
TZD9.1WU	BZX784C9V1	ZS	9.1	8.85	9.23	5.0	30	60	0.5	0.5	6.0		
TZD10WU	BZX784C10	10	10	9.77	10.21	5.0	30	60	0.5	0.1	7.0		
TZD11WU	BZX784C11	11	11	10.76	11.22	5.0	30	60	0.5	0.1	8.0		
TZD12WU	BZX784C12	12	12	11.74	12.24	5.0	30	80	0.5	0.1	9.0		
TZD13WU	BZX784C13	13	13	12.91	13.49	5.0	37	80	0.5	0.1	10.0		
TZD15WU	BZX784C15	15	15	14.34	14.98	5.0	42	80	0.5	0.1	11.0		
TZD16WU	BZX784C16	16	16	15.85	16.51	5.0	50	80	0.5	0.1	12.0		
TZD18WU	BZX784C18	18	18	17.56	18.35	2.0	65	80	0.5	0.1	13.0		
TZD20WU	BZX784C20	20	20	19.52	20.39	2.0	85	100	0.5	0.1	15.0		
TZD22WU	BZX784C22	22	22	21.54	22.47	2.0	100	100	0.5	0.1	17.0		
TZD24WU	BZX784C24	24	24	23.72	24.78	2.0	120	120	0.5	0.1	19.0		
TZD27WU	BZX784C27	27	27	26.19	27.53	2.0	150	150	0.5	0.1	21.0		
TZD30WU	BZX784C30	30	30	29.19	30.69	2.0	200	200	0.5	0.1	23.0		
TZD33WU	BZX784C33	33	33	32.15	33.79	2.0	250	250	0.5	0.1	25.0		
TZD36WU	BZX784C36	36	36	35.07	36.87	2.0	300	300	0.5	0.1	27.0		

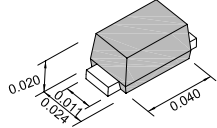
SMD Zener Diodes (Two Terminals) - 150mW

SMD Zener

150mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
TZD2.0WT	-	2A	2.0	1.85	2.15	5	100	1000	0.5	120	1.0	3000	
TZD2.0YWT	BZX584C2V0	2A●	2.0	1.95	2.15	5	100	1000	0.5	120	1.0		
TZD2.2WT	-	2B	2.2	2.05	2.38	5	100	1000	0.5	120	1.0		
TZD2.2YWT	BZX584C2V2	2B●	2.2	2.16	2.38	5	100	1000	0.5	120	1.0		
TZD2.4WT	-	2C	2.4	2.28	2.60	5	100	1000	0.5	120	1.0		
TZD2.4YWT	BZX584C2V4	2C●	2.4	2.40	2.60	5	100	1000	0.5	120	1.0		
TZD2.7WT	-	2D	2.7	2.50	2.90	5	110	1000	0.5	120	1.0		
TZD2.7YWT	BZX584C2V7	2D●	2.7	2.65	2.90	5	110	1000	0.5	120	1.0		
TZD3.0WT	-	30	3.0	2.80	3.20	5	120	1000	0.5	50	1.0		
TZD3.0YWT	BZX584C3V0	30●	3.0	2.95	3.20	5	120	1000	0.5	50	1.0		
TZD3.3WT	-	33	3.3	3.10	3.50	5	130	1000	0.5	20	1.0		
TZD3.3YWT	BZX584C3V3	33●	3.3	3.25	3.50	5	130	1000	0.5	20	1.0		
TZD3.6WT	-	36	3.6	3.40	3.80	5	113	1000	0.5	10	1.0		
TZD3.6YWT	BZX584C3V6	36●	3.6	3.60	3.845	5	113	1000	0.5	10	1.0		
TZD3.9WT	-	39	3.9	3.70	4.10	5	130	1000	0.5	10	1.0		
TZD3.9YWT	BZX584C3V9	39●	3.9	3.89	4.16	5	130	1000	0.5	10	1.0		
TZD4.3WT	-	43	4.3	4.00	4.50	5	130	1000	0.5	5	1.0		
TZD4.3YWT	BZX584C4V3	43●	4.3	4.17	4.43	5	130	1000	0.5	5	1.0		
TZD4.7WT	-	47	4.7	4.40	4.90	5	120	1000	0.5	5	1.0		
TZD4.7YWT	BZX584C4V7	47●	4.7	4.55	4.75	5	120	1000	0.5	5	1.0		
TZD5.1WT	-	51	5.1	4.80	5.40	5	70	1000	0.5	1	1.5		
TZD5.1YWT	BZX584C5V1	51●	5.1	4.98	5.20	5	70	1000	0.5	1	1.5		
TZD5.6WT	-	56	5.6	5.30	6.00	5	40	900	0.5	1	2.5		
TZD5.6YWT	BZX584C5V6	56●	5.6	5.49	5.73	5	40	900	0.5	1	2.5		
TZD6.2WT	-	62	6.2	5.80	6.60	5	30	500	0.5	1	3.0		
TZD6.2YWT	BZX584C6V2	62●	6.2	6.06	6.33	5	30	500	0.5	1	3.0		
TZD6.8WT	-	68	6.8	6.40	7.20	5	25	150	0.5	0.5	5.0		
TZD6.8YWT	BZX584C6V8	68●	6.8	6.65	6.93	5	25	150	0.5	0.5	5.0		
TZD7.5WT	-	75	7.5	7.00	7.90	5	23	120	0.5	0.5	6.0		
TZD7.5YWT	BZX584C7V5	75●	7.5	7.28	7.60	5	23	120	0.5	0.5	6.0		
TZD8.2WT	-	82	8.2	7.70	8.70	5	20	120	0.5	0.5	6.5		
TZD8.2YWT	BZX584C8V2	82●	8.2	8.02	8.36	5	20	120	0.5	0.5	6.5		
TZD9.1WT	-	91	9.1	8.50	9.60	5	18	120	0.5	0.5	7.0		
TZD9.1YWT	BZX584C9V1	91●	9.1	8.85	9.23	5	18	120	0.5	0.5	7.0		
TZD10WT	-	10	10	9.40	10.60	5	15	120	0.5	0.5	8.0		
TZD10YWT	BZX584C10	10●	10	9.77	10.21	5	15	120	0.5	0.5	8.0		
TZD11WT	-	11	11	10.40	11.60	5	15	120	0.5	0.5	8.5		
TZD11YWT	BZX584C11	11●	11	10.76	11.22	5	15	120	0.5	0.5	8.5		
TZD12WT	-	12	12	11.40	12.60	5	15	110	0.5	0.5	9.0		
TZD12YWT	BZX584C12	12●	12	11.74	12.24	5	15	110	0.5	0.5	9.0		
TZD13WT	-	13	13	12.40	14.10	5	15	110	0.5	0.5	10		
TZD13YWT	BZX584C13	13●	13	12.91	13.49	5	15	110	0.5	0.5	10		
TZD15WT	-	15	15	13.80	15.60	5	15	110	0.5	0.5	11		
TZD15YWT	BZX584C15	15●	15	14.34	14.98	5	15	110	0.5	0.5	11		
TZD16WT	-	16	16	15.30	17.10	5	18	150	0.5	0.5	12		
TZD16YWT	BZX584C16	16●	16	15.85	16.51	5	18	150	0.5	0.5	12		
TZD18WT	-	18	18	16.80	19.10	5	20	150	0.5	0.5	14		
TZD18YWT	BZX584C18	18●	18	17.56	18.35	5	20	150	0.5	0.5	14		
TZD20WT	-	20	20	18.80	21.20	5	25	200	0.5	0.5	15		
TZD20YWT	BZX584C20	20●	20	19.52	20.39	5	25	200	0.5	0.5	15		
TZD22WT	-	22	22	20.80	23.30	5	30	200	0.5	0.5	17		
TZD22YWT	BZX584C22	22●	22	21.54	22.47	5	30	200	0.5	0.5	17		
TZD24WT	-	24	24	22.80	25.60	5	40	200	0.5	0.5	19		
TZD24YWT	BZX584C24	24●	24	23.72	24.78	5	40	200	0.5	0.5	19		

SMD Zener Diodes (Two Terminals) - 200mW

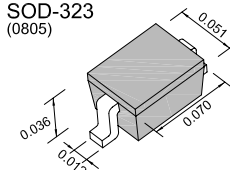
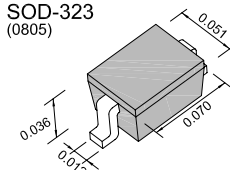
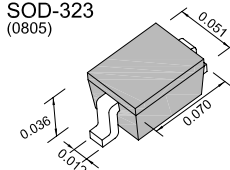
SMD Zener

200mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
			Nom. V _Z (V)	Min. V _Z (V)	Max. V _Z (V)		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
BZT52C2V4WU	BZX784C2V4	W1	2.4	2.28	2.52	5.0	100	600	1.0	50	1.0	5000	SOD-723 (0402) 
BZT52C2V7WU	BZX784C2V7	W2	2.7	2.57	2.84	5.0	100	600	1.0	20	1.0		
BZT52C3V0WU	BZX784C3V0	W3	3.0	2.85	3.15	5.0	95	600	1.0	10	1.0		
BZT52C3V3WU	BZX784C3V3	W4	3.3	3.14	3.47	5.0	95	600	1.0	5	1.0		
BZT52C3V6WU	BZX784C3V6	W5	3.6	3.42	3.78	5.0	90	600	1.0	5	1.0		
BZT52C3V9WU	BZX784C3V9	W6	3.9	3.71	4.1	5.0	90	600	1.0	3	1.0		
BZT52C4V3WU	BZX784C4V3	W7	4.3	4.09	4.52	5.0	90	600	1.0	3	1.0		
BZT52C4V7WU	BZX784C4V7	W8	4.7	4.47	4.94	5.0	80	500	1.0	3	2.0		
BZT52C5V1WU	BZX784C5V1	W9	5.1	4.85	5.36	5.0	60	480	1.0	2	2.0		
BZT52C5V6WU	BZX784C5V6	WA	5.6	5.32	5.88	5.0	40	400	1.0	1	2.0		
BZT52C6V2WU	BZX784C6V2	WB	6.2	5.89	6.51	5.0	10	150	1.0	3	4.0		
BZT52C6V8WU	BZX784C6V8	WC	6.8	6.46	7.14	5.0	15	80	1.0	2	4.0		
BZT52C7V5WU	BZX784C7V5	WD	7.5	7.13	7.88	5.0	15	80	1.0	1	5.0		
BZT52C8V2WU	BZX784C8V2	WE	8.2	7.79	8.61	5.0	15	80	1.0	0.7	5.0		
BZT52C8V7WU	BZX784C8V7	3C	8.7	8.27	9.14	5.0	15	100	1.0	0.7	5.0		
BZT52C9V1WU	BZX784C9V1	WF	9.1	8.65	9.56	5.0	15	100	1.0	0.5	6.0		
BZT52C10WU	BZX784C10	WG	10	9.50	10.50	5.0	20	150	1.0	0.2	7.0		
BZT52C11WU	BZX784C11	WH	11	10.45	11.55	5.0	20	150	1.0	0.1	8.0		
BZT52C12WU	BZX784C12	WI	12	11.40	12.60	5.0	25	150	1.0	0.1	8.0		
BZT52C13WU	BZX784C13	WK	13	12.35	13.65	5.0	30	170	1.0	0.1	8.0		
BZT52C14WU	BZX784C14	WJ	14	13.30	14.70	5.0	30	170	1.0	0.1	10.0		
BZT52C15WU	BZX784C15	WL	15	14.25	15.75	5.0	30	200	1.0	0.1	10.5		
BZT52C16WU	BZX784C16	WM	16	15.20	16.80	5.0	40	200	1.0	0.1	11.2		
BZT52C17WU	BZX784C17	4C	17	16.15	17.85	5.0	40	200	1.0	0.1	12.2		
BZT52C18WU	BZX784C18	WN	18	17.10	18.90	5.0	45	225	1.0	0.1	12.6		
BZT52C20WU	BZX784C20	WO	20	19.0	21.0	5.0	55	225	1.0	0.1	14.0		
BZT52C22WU	BZX784C22	WP	22	20.90	23.10	5.0	55	250	1.0	0.1	15.4		
BZT52C24WU	BZX784C24	WR	24	22.80	25.20	5.0	70	250	1.0	0.1	16.8		
BZT52C27WU	BZX784C27	WS	27	25.65	28.35	5.0	80	300	1.0	0.1	18.9		
BZT52C28WU	BZX784C28	5C	28	26.60	29.40	5.0	80	300	1.0	0.1	21.0		
BZT52C30WU	BZX784C30	WT	30	28.50	31.50	5.0	80	300	1.0	0.1	23.1		
BZT52C33WU	BZX784C33	WU	33	31.35	34.65	5.0	80	325	1.0	0.1	25.2		
BZT52C36WU	BZX784C36	WW	36	34.20	37.80	5.0	90	350	1.0	0.1	27.3		
BZT52C39WU	BZX784C39	WX	39	37.05	40.95	5.0	130	350	1.0	0.1	30.1		
BZT52C43WU	BZX784C43	WY	43	40.85	45.15	5.0	150	375	1.0	0.1	35.7		
BZT52C47WU	BZX784C47	WZ	47	44.65	49.35	5.0	170	375	1.0	0.1	39.2		
BZT52C51WU	BZX784C51	XA	51	48.45	53.55	5.0	100	400	1.0	0.1	38.0		
BZT52C2V4WT	BZX584C2V4	W1	2.4	2.28	2.52	5.0	100	600	1.0	50	1.0		
BZT52C2V7WT	BZX584C2V7	W2	2.7	2.57	2.84	5.0	100	600	1.0	20	1.0		
BZT52C3V0WT	BZX584C3V0	W3	3.0	2.85	3.15	5.0	95	600	1.0	10	1.0		
BZT52C3V3WT	BZX584C3V3	W4	3.3	3.14	3.47	5.0	95	600	1.0	5	1.0		
BZT52C3V6WT	BZX584C3V6	W5	3.6	3.42	3.78	5.0	90	600	1.0	5	1.0		
BZT52C3V9WT	BZX584C3V9	W6	3.9	3.71	4.1	5.0	90	600	1.0	3	1.0		
BZT52C4V3WT	BZX584C4V3	W7	4.3	4.09	4.52	5.0	90	600	1.0	3	1.0		
BZT52C4V7WT	BZX584C4V7	W8	4.7	4.47	4.94	5.0	80	500	1.0	3	2.0		
BZT52C5V1WT	BZX584C5V1	W9	5.1	4.85	5.36	5.0	60	480	1.0	2	2.0		
BZT52C5V6WT	BZX584C5V6	WA	5.6	5.32	5.88	5.0	40	400	1.0	1	2.0		
BZT52C6V2WT	BZX584C6V2	WB	6.2	5.89	6.51	5.0	10	150	1.0	3	4.0		
BZT52C6V8WT	BZX584C6V8	WC	6.8	6.46	7.14	5.0	15	80	1.0	2	4.0		
BZT52C7V5WT	BZX584C7V5	WD	7.5	7.13	7.88	5.0	15	80	1.0	1	5.0		
BZT52C8V2WT	BZX584C8V2	WE	8.2	7.79	8.61	5.0	15	80	1.0	0.7	5.0		
BZT52C8V7WT	BZX584C8V7	87C	8.7	8.27	9.14	5.0	15	100	1.0	0.7	5.0		
BZT52C9V1WT	BZX584C9V1	WF	9.1	8.65	9.56	5.0	15	100	1.0	0.5	6.0		
BZT52C10WT	BZX584C10	WG	10	9.50	10.50	5.0	20	150	1.0	0.2	7.0		
BZT52C11WT	BZX584C11	WH	11	10.45	11.55	5.0	20	150	1.0	0.1	8.0		
BZT52C12WT	BZX584C12	WI	12	11.40	12.60	5.0	25	150	1.0	0.1	8.0		
BZT52C13WT	BZX584C13	WK	13	12.35	13.65	5.0	30	170	1.0	0.1	8.0		
BZT52C14WT	BZX584C14	WJ	14	13.30	14.70	5.0	30	170	1.0	0.1	10.0		

SMD Zener Diodes (Two Terminals) - 200mW

SMD Zener

200mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
			Nom. $V_Z(V)$	Min. $V_Z(V)$	Max. $V_Z(V)$		$I_{ZT}(mA)$	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	$I_{ZK}(mA)$	$I_R(\mu A)$		
Part No.			$V_Z(V)$	$V_Z(V)$	$V_Z(V)$	$I_{ZT}(mA)$	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	$I_{ZK}(mA)$	$I_R(\mu A)$	$V_R(V)$	7" Reel	
BZT52C15WT	BZX584C15	WL	15	14.25	15.75	5.0	30	200	1.0	0.1	10.5	3000	<p>SOD-523 (0603)</p>
BZT52C16WT	BZX584C16	WM	16	15.20	16.80	5.0	40	200	1.0	0.1	11.2		
BZT52C17WT	BZX584C17	17C	17	16.15	17.85	5.0	40	200	1.0	0.1	12.2		
BZT52C18WT	BZX584C18	WN	18	17.10	18.90	5.0	45	225	1.0	0.1	12.6		
BZT52C20WT	BZX584C20	WO	20	19.0	21.0	5.0	55	225	1.0	0.1	14.0		
BZT52C22WT	BZX584C22	WP	22	20.90	23.10	5.0	55	250	1.0	0.1	15.4		
BZT52C24WT	BZX584C24	WR	24	22.80	25.20	5.0	70	250	1.0	0.1	16.8		
BZT52C27WT	BZX584C27	WS	27	25.65	28.35	5.0	80	300	1.0	0.1	18.9		
BZT52C28WT	BZX584C28	28C	28	26.60	29.40	5.0	80	300	1.0	0.1	21.0		
BZT52C30WT	BZX584C30	WT	30	28.50	31.50	5.0	80	300	1.0	0.1	23.1		
BZT52C33WT	BZX584C33	WU	33	31.35	34.65	5.0	80	325	1.0	0.1	25.2		
BZT52C36WT	BZX584C36	WW	36	34.20	37.80	5.0	90	350	1.0	0.1	27.3		
BZT52C39WT	BZX584C39	WX	39	37.05	40.95	5.0	130	350	1.0	0.1	30.1		
BZT52C43WT	BZX584C43	WY	43	40.85	45.15	5.0	150	375	1.0	0.1	35.7		
BZT52C47WT	BZX584C47	WZ	47	44.65	49.35	5.0	170	375	1.0	0.1	39.2		
BZT52C51WT	BZX584C51	XA	51	48.45	53.55	5.0	100	400	1.0	0.1	38.0		
TZD2.0WS	-	2A	2.0	1.85	2.15	5	100	1000	0.5	120	1.0	3000	<p>SOD-323 (0805)</p>
TZD2.0YWS	-	2A●	2.0	1.95	2.15	5	100	1000	0.5	120	1.0		
TZD2.2WS	-	2B	2.2	2.05	2.38	5	100	1000	0.5	120	1.0		
TZD2.2YWS	-	2B●	2.2	2.16	2.38	5	100	1000	0.5	120	1.0		
TZD2.4WS	-	2C	2.4	2.28	2.60	5	100	1000	0.5	120	1.0		
TZD2.4YWS	-	2C●	2.4	2.40	2.60	5	100	1000	0.5	120	1.0		
TZD2.7WS	-	2D	2.7	2.50	2.90	5	110	1000	0.5	120	1.0		
TZD2.7YWS	-	2D●	2.7	2.65	2.90	5	110	1000	0.5	120	1.0		
TZD3.0WS	-	30	3.0	2.80	3.20	5	120	1000	0.5	50	1.0		
TZD3.0YWS	-	30●	3.0	2.95	3.20	5	120	1000	0.5	50	1.0		
TZD3.3WS	-	33	3.3	3.10	3.50	5	130	1000	0.5	20	1.0		
TZD3.3YWS	-	33●	3.3	3.25	3.50	5	130	1000	0.5	20	1.0		
TZD3.6WS	-	36	3.6	3.40	3.80	5	113	1000	0.5	10	1.0		
TZD3.6YWS	-	36●	3.6	3.60	3.845	5	113	1000	0.5	10	1.0		
TZD3.9WS	-	39	3.9	3.70	4.10	5	130	1000	0.5	10	1.0		
TZD3.9YWS	-	39●	3.9	3.89	4.16	5	130	1000	0.5	10	1.0		
TZD4.3WS	-	43	4.3	4.00	4.50	5	130	1000	0.5	5	1.0		
TZD4.3YWS	-	43●	4.3	4.17	4.43	5	130	1000	0.5	5	1.0		
TZD4.7WS	-	47	4.7	4.40	4.90	5	120	1000	0.5	5	1.0		
TZD4.7YWS	-	47●	4.7	4.55	4.75	5	120	1000	0.5	5	1.0		
TZD5.1WS	-	51	5.1	4.80	5.40	5	70	1000	0.5	1	1.5		
TZD5.1YWS	-	51●	5.1	4.98	5.20	5	70	1000	0.5	1	1.5		
TZD5.6WS	-	56	5.6	5.30	6.00	5	40	900	0.5	1	2.5		
TZD5.6YWS	-	56●	5.6	5.49	5.73	5	40	900	0.5	1	2.5		
TZD6.2WS	-	62	6.2	5.80	6.60	5	30	500	0.5	1	3.0		
TZD6.2YWS	-	62●	6.2	6.06	6.33	5	30	500	0.5	1	3.0		
TZD6.8WS	-	68	6.8	6.40	7.20	5	25	150	0.5	0.5	5.0		
TZD6.8YWS	-	68●	6.8	6.65	6.93	5	25	150	0.5	0.5	5.0		
TZD7.5WS	-	75	7.5	7.00	7.90	5	23	120	0.5	0.5	6.0		
TZD7.5YWS	-	75●	7.5	7.28	7.60	5	23	120	0.5	0.5	6.0		
TZD8.2WS	-	82	8.2	7.70	8.70	5	20	120	0.5	0.5	6.5		
TZD8.2YWS	-	82●	8.2	8.02	8.36	5	20	120	0.5	0.5	6.5		
TZD9.1WS	-	91	9.1	8.50	9.60	5	18	120	0.5	0.5	7.0		
TZD9.1YWS	-	91●	9.1	8.85	9.23	5	18	120	0.5	0.5	7.0		
TZD10WS	-	10	10	9.40	10.60	5	15	120	0.5	0.5	8.0		
TZD10YWS	-	10●	10	9.77	10.21	5	15	120	0.5	0.5	8.0		
TZD11WS	-	11	11	10.40	11.60	5	15	120	0.5	0.5	8.5		
TZD11YWS	-	11●	11	10.76	11.22	5	15	120	0.5	0.5	8.5		
TZD12WS	-	12	12	11.40	12.60	5	15	110	0.5	0.5	9.0		
TZD12YWS	-	12●	12	11.74	12.24	5	15	110	0.5	0.5	9.0		
TZD13WS	-	13	13	12.40	14.10	5	15	110	0.5	0.5	10		
TZD13YWS	-	13●	13	12.91	13.49	5	15	110	0.5	0.5	10		

200mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)		
			Nom. V _Z (V)	Min. V _Z (V)	Max. V _Z (V)		I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		7" Reel	
TZD15WS	-	15	15	13.80	15.60	5	15	110	0.5	0.5	11	3000			
TZD15YWS	-	15●	15	14.34	14.98	5	15	110	0.5	0.5	11				
TZD16WS	-	16	16	15.30	17.10	5	18	150	0.5	0.5	12				
TZD16YWS	-	16●	16	15.85	16.51	5	18	150	0.5	0.5	12				
TZD18WS	-	18	18	16.80	19.10	5	20	150	0.5	0.5	14				
TZD18YWS	-	18●	18	17.56	18.35	5	20	150	0.5	0.5	14				
TZD20WS	-	20	20	18.80	21.20	5	25	200	0.5	0.5	15				
TZD20YWS	-	20●	20	19.52	20.39	5	25	200	0.5	0.5	15				
TZD22WS	-	22	22	20.80	23.30	5	30	200	0.5	0.5	17				
TZD22YWS	-	22●	22	21.54	22.47	5	30	200	0.5	0.5	17				
TZD24WS	-	24	24	22.80	25.60	5	40	200	0.5	0.5	19				
TZD24YWS	-	24●	24	23.72	24.78	5	40	200	0.5	0.5	19				
BZT52C2V4WS	-	W1	2.4	2.28	2.52	5.0	85	600	1.0	100	1.0	3000			
BZT52C2V7WS	-	W2	2.7	2.57	2.84	5.0	83	600	1.0	75	1.0				
BZT52C3V0WS	-	W3	3.0	2.85	3.15	5.0	95	600	1.0	50	1.0				
BZT52C3V3WS	-	W4	3.3	3.14	3.47	5.0	95	600	1.0	25	1.0				
BZT52C3V6WS	-	W5	3.6	3.42	3.78	5.0	95	600	1.0	15	1.0				
BZT52C3V9WS	-	W6	3.9	3.71	4.1	5.0	95	600	1.0	10	1.0				
BZT52C4V3WS	-	W7	4.3	4.09	4.52	5.0	95	600	1.0	5	1.0				
BZT52C4V7WS	-	W8	4.7	4.47	4.94	5.0	78	500	1.0	5	1.0				
BZT52C5V1WS	-	W9	5.1	4.85	5.36	5.0	60	480	1.0	0.1	0.8				
BZT52C5V6WS	-	WA	5.6	5.32	5.88	5.0	40	400	1.0	0.1	1.0				
BZT52C6V2WS	-	WB	6.2	5.89	6.51	5.0	10	150	1.0	0.1	2.0				
BZT52C6V8WS	-	WC	6.8	6.46	7.14	5.0	8	80	1.0	0.1	3.0				
BZT52C7V5WS	-	WD	7.5	7.13	7.88	5.0	7	80	1.0	0.1	5.0				
BZT52C8V2WS	-	WE	8.2	7.79	8.61	5.0	7	80	1.0	0.1	6.0				
BZT52C8V7WS	-	87C	8.7	8.27	9.14	5.0	7	100	1.0	0.1	6.5				
BZT52C9V1WS	-	WF	9.1	8.65	9.56	5.0	10	100	1.0	0.1	7.0				
BZT52C10WS	-	WG	10	9.50	10.50	5.0	15	150	1.0	0.1	7.5				
BZT52C11WS	-	WH	11	10.45	11.55	5.0	20	150	1.0	0.1	8.5				
BZT52C12WS	-	WI	12	11.40	12.60	5.0	20	150	1.0	0.1	9.0				
BZT52C13WS	-	WK	13	12.35	13.65	5.0	25	170	1.0	0.1	10.0				
BZT52C14WS	-	WJ	14	13.30	14.70	5.0	25	170	1.0	0.1	10.5				
BZT52C15WS	-	WL	15	14.25	15.75	5.0	30	200	1.0	0.1	11.0				
BZT52C16WS	-	WM	16	15.20	16.80	5.0	40	200	1.0	0.1	12.0				
BZT52C17WS	-	17C	17	16.15	17.85	5.0	40	200	1.0	0.1	13.0				
BZT52C18WS	-	WN	18	17.10	18.90	5.0	50	225	1.0	0.1	14.0				
BZT52C20WS	-	WO	20	19.0	21.0	5.0	50	225	1.0	0.1	15.0				
BZT52C22WS	-	WP	22	20.90	23.10	5.0	55	250	1.0	0.1	17.0				
BZT52C24WS	-	WR	24	22.80	25.20	5.0	80	250	1.0	0.1	18.0				
BZT52C27WS	-	WS	27	25.65	28.35	5.0	80	300	1.0	0.1	20.0				
BZT52C28WS	-	28C	28	26.60	29.40	5.0	80	300	1.0	0.1	22.0				
BZT52C30WS	-	WT	30	28.50	31.50	5.0	80	300	1.0	0.1	22.5				
BZT52C33WS	-	WU	33	31.35	34.65	5.0	80	325	1.0	0.1	25.0				
BZT52C36WS	-	WW	36	34.20	37.80	5.0	90	350	1.0	0.1	27.0				
BZT52C39WS	-	WX	39	37.05	40.95	5.0	90	350	1.0	0.1	29.0				
BZT52C43WS	-	WY	43	40.85	45.15	5.0	100	700	1.0	0.1	32.0				
BZT52C47WS	-	WZ	47	44.65	49.35	5.0	100	750	1.0	0.1	35.0				
BZT52C51WS	-	XA	51	48.45	53.55	5.0	100	750	1.0	0.1	38.0				
BZX384C3V9	-	W6	3.9	3.70	4.10	5.0	95	600	1.0	3.00	1.0			3000	
BZX384C4V3	-	W7	4.3	4.00	4.60	5.0	90	600	1.0	3.00	1.0				
BZX384C4V7	-	W8	4.7	4.40	5.00	5.0	80	500	1.0	3.00	2.0				
BZX384C5V1	-	W9	5.1	4.80	5.40	5.0	60	480	1.0	2.00	2.0				
BZX384C5V6	-	WA	5.6	5.20	6.00	5.0	40	400	1.0	1.00	2.0				
BZX384C6V2	-	WB	6.2	5.80	6.60	5.0	10	150	1.0	3.00	4.0				
BZX384C6V8	-	WC	6.8	6.40	7.20	5.0	15	80	1.0	2.00	4.0				
BZX384C7V5	-	WD	7.5	7.00	7.90	5.0	15	80	1.0	1.00	5.0				
BZX384C8V2	-	WE	8.2	7.70	8.70	5.0	15	80	1.0	0.70	5.0				

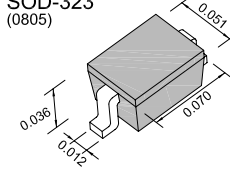
SMD Zener Diodes (Two Terminals) - 200mW

SMD Zener

200mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
			Nom. V _Z (V)	Min. V _Z (V)	Max. V _Z (V)		I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)		
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
BZX384C9V1	-	WF	9.1	8.50	9.60	5.0	15	100	1.0	0.50	6.0	3000	<p>SOD-323 (0805)</p>
BZX384C10	-	WG	10	9.40	10.6	5.0	20	150	1.0	0.20	7.0		
BZX384C11	-	WH	11	10.4	11.6	5.0	20	150	1.0	0.10	8.0		
BZX384C12	-	WI	12	11.4	12.7	5.0	25	150	1.0	0.10	8.0		
BZX384C13	-	WK	13	12.4	14.1	5.0	30	170	1.0	0.10	8.0		
BZX384C15	-	WL	15	13.8	15.6	5.0	30	200	1.0	0.05	10.5		
BZX384C16	-	WM	16	15.3	17.1	5.0	40	200	1.0	0.05	11.2		
BZX384C18	-	WN	18	16.8	19.1	5.0	45	225	1.0	0.05	12.6		
BZX384C20	-	WO	20	18.8	21.2	5.0	55	225	1.0	0.05	14.0		
BZX384C22	-	WP	22	20.8	23.3	5.0	55	250	1.0	0.05	15.4		
BZX384C24	-	WR	24	22.8	25.6	5.0	70	250	1.0	0.05	16.8		
BZX384C27	-	WS	27	25.1	28.9	2.0	80	300	0.5	0.05	18.9		
BZX384C30	-	WT	30	28.0	32.0	2.0	80	300	0.5	0.05	21.0		
BZX384C33	-	WU	33	31.0	35.0	2.0	80	325	0.5	0.05	23.1		
BZX384C36	-	WW	36	34.0	38.0	2.0	90	350	0.5	0.05	25.2		
BZX384C39	-	WX	39	37.0	41.0	2.0	130	350	0.5	0.05	27.3		
BZX384C43	-	WY	43	40.0	46.0	2.0	150	375	0.5	0.05	30.1		
BZX384C47	-	WZ	47	44.0	50.0	2.0	170	375	0.5	0.05	32.9		
BZX384C51	-	X1	51	48.0	54.0	2.0	180	400	0.5	0.05	35.7		
BZX384C56	-	X2	56	52.0	60.0	2.0	200	425	0.5	0.05	39.2		
BZX384C62	-	X3	62	58.0	66.0	2.0	215	450	0.5	0.05	43.4		
BZX384C68	-	X4	68	64.0	72.0	2.0	240	475	0.5	0.05	47.6		
BZX384C75	-	X5	75	70.0	79.0	2.0	255	500	0.5	0.05	52.2		
MMSZ5221BWS	-	C1	2.4	2.28	2.52	20	30	1200	0.25	100	1.0		
MMSZ5222BWS	-	C2	2.5	2.38	2.63	20	30	1250	0.25	100	1.0		
MMSZ5223BWS	-	C3	2.7	2.57	2.84	20	30	1300	0.25	75	1.0		
MMSZ5225BWS	-	C5	3.0	2.85	3.15	20	30	1600	0.25	50	1.0		
MMSZ5226BWS	-	D1	3.3	3.14	3.47	20	28	1600	0.25	25	1.0		
MMSZ5227BWS	-	D2	3.6	3.42	3.78	20	24	1700	0.25	15	1.0		
MMSZ5228BWS	-	D3	3.9	3.71	4.1	20	23	1900	0.25	10	1.0		
MMSZ5229BWS	-	D4	4.3	4.09	4.52	20	22	2000	0.25	5.0	1.0		
MMSZ5230BWS	-	D5	4.7	4.47	4.94	20	19	1900	0.25	5.0	2.0		
MMSZ5231BWS	-	E1	5.1	4.85	5.36	20	17	1600	0.25	5.0	2.0		
MMSZ5232BWS	-	E2	5.6	5.32	5.88	20	11	1600	0.25	5.0	3.0		
MMSZ5233BWS	-	E3	6.0	5.70	6.30	20	7	1600	0.25	5.0	3.5		
MMSZ5234BWS	-	E4	6.2	5.89	6.51	20	7	1000	0.25	5.0	4.0		
MMSZ5235BWS	-	E5	6.8	6.46	7.14	20	5	750	0.25	3.0	5.0		
MMSZ5236BWS	-	F1	7.5	7.13	7.88	20	6	500	0.25	3.0	6.0		
MMSZ5237BWS	-	F2	8.2	7.79	8.61	20	8	500	0.25	3.0	6.5		
MMSZ5238BWS	-	F3	8.7	8.27	9.14	20	8	600	0.25	3.0	6.5		
MMSZ5239BWS	-	F4	9.1	8.65	9.56	20	10	600	0.25	3.0	7.0		
MMSZ5240BWS	-	F5	10	9.50	10.50	20	17	600	0.25	3.0	8.0		
MMSZ5241BWS	-	H1	11	10.45	11.55	20	22	600	0.25	2.0	8.4		
MMSZ5242BWS	-	H2	12	11.40	12.60	20	30	600	0.25	1.0	9.1		
MMSZ5243BWS	-	H3	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9		
MMSZ5244BWS	-	H4	14	13.30	14.70	9.0	15	600	0.25	0.1	10		
MMSZ5245BWS	-	H5	15	14.25	15.75	8.5	16	600	0.25	0.1	11		
MMSZ5246BWS	-	J1	16	15.20	16.80	7.8	17	600	0.25	0.1	12		
MMSZ5247BWS	-	J2	17	16.15	17.85	7.4	19	600	0.25	0.1	13		
MMSZ5248BWS	-	J3	18	17.10	18.90	7.0	21	600	0.25	0.1	14		
MMSZ5249BWS	-	J4	19	18.05	19.95	6.6	23	600	0.25	0.1	14		
MMSZ5250BWS	-	J5	20	19.00	21.00	6.2	25	600	0.25	0.1	15		
MMSZ5251BWS	-	K1	22	20.90	23.10	5.6	29	600	0.25	0.1	17		
MMSZ5252BWS	-	K2	24	22.80	25.20	5.2	33	600	0.25	0.1	18		
MMSZ5253BWS	-	K3	25	23.75	26.25	5.0	35	600	0.25	0.1	19		
MMSZ5254BWS	-	K4	27	25.65	28.35	4.6	41	600	0.25	0.1	21		
MMSZ5255BWS	-	K5	28	26.60	29.40	4.5	44	600	0.25	0.1	21		

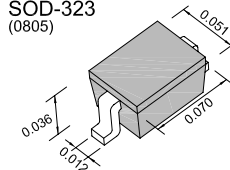
SMD Zener Diodes (Two Terminals) - 200mW

SMD Zener

200mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
MMSZ5256BWS	-	M1	30	28.50	31.50	4.2	49	600	0.25	0.1	23	3000	SOD-323 (0805) 
MMSZ5257BWS	-	M2	33	31.35	34.65	3.8	58	700	0.25	0.1	25		
MMSZ5258BWS	-	M3	36	34.20	37.8	3.4	70	700	0.25	0.1	27		
MMSZ5259BWS	-	M4	39	37.05	40.95	3.2	80	800	0.25	0.1	30		
MMSZ5260BWS	-	M5	43	40.85	45.15	3.0	93	900	0.25	0.1	33		
MMSZ5261BWS	-	N1	47	44.65	49.35	2.7	105	1000	0.25	0.1	36		
MMSZ5262BWS	-	N2	51	48.45	53.55	2.5	125	1100	0.25	0.1	39		

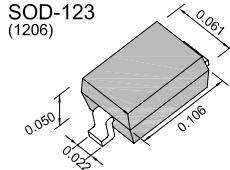
SMD Zener Diodes (Two Terminals) - 400mW

SMD Zener

400mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
TZDP4.3BWS	Z6	4.3	4.17	4.48	5	90	600	1	3	1	3000	SOD-323 (0805) 
TZDP4.7BWS	Z7	4.7	4.55	4.75	5	90	600	1	2	1		
TZDP5.1BWS	Z8	5.1	4.96	5.20	5	60	250	0.5	2	2		
TZDP5.6BWS	Z9	5.6	5.48	5.73	5	50	100	0.5	1	3		
TZDP6.2BWS	ZA	6.2	6.06	6.33	5	50	80	0.5	0.5	3		
TZDP6.8BWS	ZB	6.8	6.65	6.93	5	40	60	0.5	0.5	4		
TZDP7.5BWS	ZC	7.5	7.28	7.60	5	10	60	0.5	0.5	4		
TZDP8.2BWS	ZD	8.2	8.02	8.36	5	10	60	0.5	0.5	5		
TZDP9.1BWS	ZE	9.1	8.85	9.23	5	10	60	0.5	0.5	6		
TZDP10BWS	ZF	10	9.77	10.21	5	10	60	0.5	0.1	7		
TZDP11BWS	ZG	11	10.78	11.22	5	10	60	0.5	0.1	8		
TZDP12BWS	ZH	12	11.74	12.24	5	10	80	0.5	0.1	9		
TZDP13BWS	ZJ	13	12.91	13.49	5	10	80	0.5	0.1	10		
TZDP15BWS	ZK	15	14.34	14.98	5	15	80	0.5	0.05	11		
TZDP16BWS	ZK	16	15.85	16.51	5	20	80	0.5	0.05	12		
TZDP18BWS	ZM	18	17.56	18.35	5	20	80	0.5	0.05	13		
TZDP20BWS	ZN	20	19.52	20.39	5	20	100	0.5	0.05	15		
TZDP22BWS	ZP	22	21.54	22.47	5	25	100	0.5	0.05	17		
TZDP24BWS	ZQ	24	23.72	24.78	5	30	120	0.5	0.05	19		
TZDP27BWS	ZR	27	26.19	27.53	5	40	150	0.5	0.05	21		
TZDP30BWS	ZS	30	29.29	30.69	5	40	200	0.5	0.05	23		
TZDP33BWS	ZT	33	32.15	33.79	5	40	250	0.5	0.05	25		
TZDP36BWS	ZU	36	35.07	36.87	5	60	300	0.5	0.05	27		

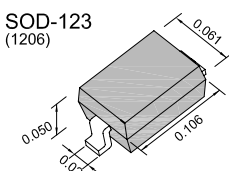
SMD Zener Diodes (Two Terminals) - 410mW

SMD Zener

410mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
BZT52C2V4	W1	2.4	2.28	2.56	5	85	600	1	-	-	3000	SOD-123 (1206) 
BZT52C2V7	W2	2.7	2.5	2.9	5	83	500	1	-	-		
BZT52C3V0	W3	3	2.8	3.2	5	95	500	1	-	-		
BZT52C3V3	W4	3.3	3.1	3.5	5	95	500	1	-	-		
BZT52C3V6	W5	3.6	3.4	3.8	5	95	500	1	-	-		
BZT52C3V9	W6	3.9	3.7	4.1	5	95	500	1	-	-		
BZT52C4V3	W7	4.3	4.0	4.6	5	95	500	1	-	-		
BZT52C4V7	W8	4.7	4.4	5.0	5	78	500	1	-	-		
BZT52C5V1	W9	5.1	4.8	5.4	5	60	480	1	0.1	0.8		
BZT52C5V6	WA	5.6	5.2	6.0	5	40	400	1	0.1	1		
BZT52C6V2	WB	6.2	5.8	6.6	5	10	200	1	0.1	2		
BZT52C6V8	WC	6.8	6.4	7.2	5	8	150	1	0.1	3		

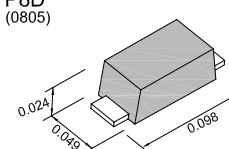
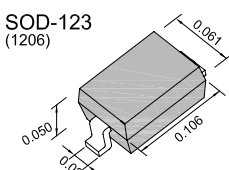
SMD Zener Diodes (Two Terminals) - 410mW

SMD Zener

410mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)						7" Reel	
BZT52C7V5	WD	7.5	7.0	7.9	5	7	50	1	0.1	5	3000	
BZT52C8V2	WE	8.2	7.7	8.7	5	7	50	1	0.1	6		
BZT52C9V1	87C	9.1	8.5	9.6	5	10	50	1	0.1	7		
BZT52C10	WF	10	9.4	10.6	5	15	70	1	0.1	7.5		
BZT52C11	WG	11	10.4	11.6	5	20	70	1	0.1	8.5		
BZT52C12	WH	12	11.4	12.7	5	20	90	1	0.1	9		
BZT52C13	WI	13	12.4	14.1	5	25	110	1	0.1	10		
BZT52C15	WK	15	13.8	15.6	5	30	110	1	0.1	11		
BZT52C16	WJ	16	15.3	17.1	5	40	170	1	0.1	12		
BZT52C18	WL	18	16.8	19.1	5	50	170	1	0.1	14		
BZT52C20	WM	20	18.8	21.2	5	50	220	1	0.1	15		
BZT52C22	17C	22	20.8	23.3	5	55	220	1	0.1	17		
BZT52C24	WN	24	22.8	25.6	5	80	220	1	0.1	18		
BZT52C27	WO	27	25.1	28.9	5	80	250	1	0.1	20		
BZT52C30	WP	30	28	32	5	80	250	1	0.1	22.5		
BZT52C33	WR	33	31	35	5	80	250	1	0.1	25		
BZT52C36	WS	36	34	38	5	90	250	1	0.1	27		
BZT52C39	28C	39	37	41	5	90	300	1	0.1	29		
BZT52C43	WT	43	40	46	5	100	700	1	0.1	32		
BZT52C47	WU	47	44	50	5	100	750	1	0.1	35		
BZT52C51	WW	51	48	54	5	100	750	1	0.1	38		

SMD Zener Diodes (Two Terminals) - 500mW

SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)						7" Reel	
TZP5V6P8	56	5.6	5.1	6.1	-	-	-	-	0.2/1.5	2.5/4	3000	
MMSZ4681	CF	2.4	2.28	2.52	0.05	-	-	-	2.00	1.0	3000	
MMSZ4682	CH	2.7	2.57	2.84	0.05	-	-	-	1.00	1.0		
MMSZ4683	CJ	3.0	2.85	3.15	0.05	-	-	-	0.80	1.0		
MMSZ4684	CK	3.3	3.14	3.47	0.05	-	-	-	7.50	1.5		
MMSZ4685	CM	3.6	3.42	3.78	0.05	-	-	-	7.50	2.0		
MMSZ4686	CN	3.9	3.71	4.10	0.05	-	-	-	5.00	2.0		
MMSZ4687	CP	4.3	4.09	4.52	0.05	-	-	-	4.00	2.0		
MMSZ4688	CT	4.7	4.47	4.94	0.05	-	-	-	10.0	3.0		
MMSZ4689	CU	5.1	4.85	5.36	0.05	-	-	-	10.0	3.0		
MMSZ4690	CV	5.6	5.32	5.88	0.05	-	-	-	10.0	4.0		
MMSZ4691	CA	6.2	5.89	6.51	0.05	-	-	-	10.0	5.0		
MMSZ4692	CX	6.8	6.46	7.14	0.05	-	-	-	10.0	5.1		
MMSZ4693	CY	7.5	7.13	7.88	0.05	-	-	-	10.0	5.7		
MMSZ4694	CZ	8.2	7.79	8.61	0.05	-	-	-	1.00	6.2		
MMSZ4695	DC	8.7	8.27	9.14	0.05	-	-	-	1.00	6.6		
MMSZ4696	DD	9.1	8.65	9.56	0.05	-	-	-	1.00	6.9		
MMSZ4697	DE	10	9.5	10.5	0.05	-	-	-	1.00	7.6		
MMSZ4698	DF	11	10.5	11.6	0.05	-	-	-	0.05	8.4		
MMSZ4699	DH	12	11.4	12.6	0.05	-	-	-	0.05	9.1		
MMSZ4700	DJ	13	12.4	13.7	0.05	-	-	-	0.05	9.8		
MMSZ4701	DK	14	13.3	14.7	0.05	-	-	-	0.05	10.6		
MMSZ4702	DM	15	14.3	15.8	0.05	-	-	-	0.05	11.4		

SMD Zener Diodes (Two Terminals) - 500mW

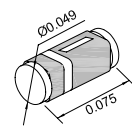
SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)		
		Nom. $V_Z(V)$	Min. $V_Z(V)$	Max. $V_Z(V)$		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	$I_R(\mu A)$	$V_R(V)$				
Part No.		$V_Z(V)$	$V_Z(V)$	$V_Z(V)$	$I_{ZT}(mA)$	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	$I_R(\mu A)$	$V_R(V)$	7" Reel			
MMSZ4703	DN	16	15.2	16.8	0.05	-	-	-	0.05	12.1	3000	<p>SOD-123 (1206)</p>		
MMSZ4704	DP	17	16.2	17.9	0.05	-	-	-	0.05	12.9				
MMSZ4705	DT	18	17.1	18.9	0.05	-	-	-	0.05	13.6				
MMSZ4706	DU	19	18.1	20.0	0.05	-	-	-	0.05	14.4				
MMSZ4707	DV	20	19.0	21.0	0.05	-	-	-	0.01	15.2				
MMSZ4708	DA	22	20.9	23.1	0.05	-	-	-	0.01	16.7				
MMSZ4709	DZ	24	22.8	25.2	0.05	-	-	-	0.01	18.2				
MMSZ4710	DY	25	23.8	26.3	0.05	-	-	-	0.01	19.0				
MMSZ4711	EA	27	25.7	28.4	0.05	-	-	-	0.01	20.4				
MMSZ4712	EC	28	26.6	29.4	0.05	-	-	-	0.01	21.2				
MMSZ4713	ED	30	28.5	31.5	0.05	-	-	-	0.01	22.8				
MMSZ4714	EE	33	31.4	34.7	0.05	-	-	-	0.01	25.0				
MMSZ4715	EF	36	34.2	37.8	0.05	-	-	-	0.01	27.3				
MMSZ4716	EH	39	37.1	41.0	0.05	-	-	-	0.01	29.6				
MMSZ4717	EJ	43	40.9	45.2	0.05	-	-	-	0.01	32.6				
MMSZ5225B	C5	3.0	2.85	3.15	20	30	1600	0.25	50	1.0			3000	<p>SOD-123 (1206)</p>
MMSZ5226B	D1	3.3	3.14	3.47	20	28	1600	0.25	25	1.0				
MMSZ5227B	D2	3.6	3.42	3.78	20	24	1700	0.25	15	1.0				
MMSZ5228B	D3	3.9	3.71	4.1	20	23	1900	0.25	10	1.0				
MMSZ5229B	D4	4.3	4.09	4.52	20	22	2000	0.25	5.0	1.0				
MMSZ5230B	D5	4.7	4.47	4.94	20	19	1900	0.25	5.0	2.0				
MMSZ5231B	E1	5.1	4.85	5.36	20	17	1600	0.25	5.0	2.0				
MMSZ5232B	E2	5.6	5.32	5.88	20	11	1600	0.25	5.0	3.0				
MMSZ5233B	E3	6.0	5.70	6.30	20	7	1600	0.25	5.0	3.5				
MMSZ5234B	E4	6.2	5.89	6.51	20	7	1000	0.25	5.0	4.0				
MMSZ5235B	E5	6.8	6.46	7.14	20	5	750	0.25	3.0	5.0				
MMSZ5236B	F1	7.5	7.13	7.88	20	6	500	0.25	3.0	6.0				
MMSZ5237B	F2	8.2	7.79	8.61	20	8	500	0.25	3.0	6.5				
MMSZ5238B	F3	8.7	8.27	9.14	20	8	600	0.25	3.0	6.5				
MMSZ5239B	F4	9.1	8.65	9.56	20	10	600	0.25	3.0	7.0				
MMSZ5240B	F5	10	9.5	10.5	20	17	600	0.25	3.0	8.0				
MMSZ5241B	H1	11	10.45	11.55	20	22	600	0.25	2.0	8.4				
MMSZ5242B	H2	12	11.4	12.6	20	30	600	0.25	1.0	9.1				
MMSZ5243B	H3	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9				
MMSZ5244B	H4	14	13.3	14.7	9.0	15	600	0.25	0.1	10				
MMSZ5245B	H5	15	14.25	15.75	8.5	16	600	0.25	0.1	11				
MMSZ5246B	J1	16	15.2	16.8	7.8	17	600	0.25	0.1	12				
MMSZ5247B	J2	17	16.15	17.85	7.4	19	600	0.25	0.1	13				
MMSZ5248B	J3	18	17.1	18.9	7.0	21	600	0.25	0.1	14				
MMSZ5249B	J4	19	18.05	19.95	6.6	23	600	0.25	0.1	14				
MMSZ5250B	J5	20	19.0	21.0	6.2	25	600	0.25	0.1	15				
MMSZ5251B	K1	22	20.9	23.1	5.6	29	600	0.25	0.1	17				
MMSZ5252B	K2	24	22.8	25.2	5.2	33	600	0.25	0.1	18				
MMSZ5253B	K3	25	23.75	26.25	5.0	35	600	0.25	0.1	19				
MMSZ5254B	K4	27	25.65	28.35	4.6	41	600	0.25	0.1	21				
MMSZ5255B	K5	28	26.6	29.4	4.5	44	600	0.25	0.1	21				
MMSZ5256B	M1	30	28.5	31.5	4.2	49	600	0.25	0.1	23				
MMSZ5257B	M2	33	31.35	34.65	3.8	58	700	0.25	0.1	25				
MMSZ5258B	M3	36	34.2	37.8	3.4	70	700	0.25	0.1	27				
MMSZ5259B	M4	39	37.05	40.95	3.2	80	800	0.25	0.1	30				
MMSZ5260B	M5	43	40.85	45.15	3.0	93	900	0.25	0.1	33				
MMSZ5261B	N1	47	44.65	49.35	2.7	105	1000	0.25	0.1	36				
MMSZ5262B	N2	51	48.45	53.55	2.5	125	1100	0.25	0.1	39				
MMSZ5263B	N3	56	53.2	58.8	2.2	150	1300	0.25	0.1	43				
MMSZ5264B	N4	60	57.0	63.0	2.1	170	1400	0.25	0.1	46				
MMSZ5265B	N5	62	58.9	65.1	2.0	185	1400	0.25	0.1	47				
MMSZ5266B	P1	68	64.6	71.4	1.8	230	1600	0.25	0.1	52				
MMSZ5267B	P2	75	71.25	78.75	1.7	270	1700	0.25	0.1	56				

SMD Zener Diodes (Leadless) - 500mW

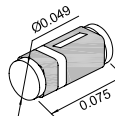
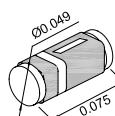
SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)																																																																																																																																																																																																																																																																																																																																																																												
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)																																																																																																																																																																																																																																																																																																																																																																														
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)						7" /13" Reel																																																																																																																																																																																																																																																																																																																																																																													
TMZJ2.0A	-	2.0	1.88	2.1	5	100	1000	0.5	120	0.5	2500/-	MicroMELF (0805)																																																																																																																																																																																																																																																																																																																																																																												
TMZJ2.0B	-		2.02	2.2									TMZJ2.2A	-	2.2	2.12	2.3	5	100	1000	0.5	100	0.7	TMZJ2.2B	-	2.22	2.41	TMZJ2.4A	-	2.4	2.33	2.52	5	100	1000	0.5	120	1.0	TMZJ2.4B	-	2.43	2.63	TMZJ2.7A	-	2.7	2.54	2.75	5	110	1000	0.5	100	1.0	TMZJ2.7B	-	2.69	2.91	TMZJ3.0A	-	3.0	2.85	3.07	5	120	1000	0.5	50	1.0	TMZJ3.0B	-	3.01	3.22	TMZJ3.3A	-	3.3	3.16	3.38	5	120	1000	0.5	20	1.0	TMZJ3.3B	-	3.32	3.53	TMZJ3.6A	-	3.6	3.46	3.70	5	100	1000	1.0	10	1.0	TMZJ3.6B	-	3.60	3.85	TMZJ3.9A	-	3.9	3.74	4.01	5	100	1000	1.0	5	1.0	TMZJ3.9B	-	3.89	4.16	TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0	TMZJ4.3B	-	4.17	4.43	TMZJ4.3C	-	4.30	4.57	TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0	TMZJ4.7B	-	4.55	4.80	TMZJ4.7C	-	4.68	4.93	TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-	5.09	5.37	TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-	5.61	5.91	TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-	6.12	6.44	TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-	6.66	7.01	TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-	9.94	10.44	TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110
TMZJ2.2A	-	2.2	2.12	2.3	5	100	1000	0.5	100	0.7																																																																																																																																																																																																																																																																																																																																																																														
TMZJ2.2B	-		2.22	2.41									TMZJ2.4A	-	2.4	2.33	2.52	5	100	1000	0.5	120	1.0	TMZJ2.4B	-	2.43	2.63	TMZJ2.7A	-	2.7	2.54	2.75	5	110	1000	0.5	100	1.0	TMZJ2.7B	-	2.69	2.91	TMZJ3.0A	-	3.0	2.85	3.07	5	120	1000	0.5	50	1.0	TMZJ3.0B	-	3.01	3.22	TMZJ3.3A	-	3.3	3.16	3.38	5	120	1000	0.5	20	1.0	TMZJ3.3B	-	3.32	3.53	TMZJ3.6A	-	3.6	3.46	3.70	5	100	1000	1.0	10	1.0	TMZJ3.6B	-	3.60	3.85	TMZJ3.9A	-	3.9	3.74	4.01	5	100	1000	1.0	5	1.0	TMZJ3.9B	-	3.89	4.16	TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0	TMZJ4.3B	-	4.17	4.43	TMZJ4.3C	-		4.30	4.57							TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5		1.0	TMZJ4.7B							-	4.55	4.80	TMZJ4.7C	-	4.68	4.93	TMZJ5.1A	-	5.1		4.81	5.07							5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20		TMZJ5.1C	-							5.09	5.37	TMZJ5.6A	-	5.6	5.28	5.55	5	60	500		1.0	5							2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-	5.61	5.91	TMZJ6.2A		-	6.2							5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-		5.96	6.27							TMZJ6.2C	-	6.12	6.44	TMZJ6.8A	-	6.8	6.29	6.63	5		20	150							0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-	6.66		7.01	TMZJ7.5A							-	7.5	6.85	7.22	5	20	120	0.5	0.5	4		TMZJ7.5B	-							7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120		0.5	0.5							5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A		-	9.1							8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-		8.57	9.01							TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B
TMZJ2.4A	-	2.4	2.33	2.52	5	100	1000	0.5	120	1.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ2.4B	-		2.43	2.63									TMZJ2.7A	-	2.7	2.54	2.75	5	110	1000	0.5	100	1.0	TMZJ2.7B	-	2.69	2.91	TMZJ3.0A	-	3.0	2.85	3.07	5	120	1000	0.5	50	1.0	TMZJ3.0B	-	3.01	3.22	TMZJ3.3A	-	3.3	3.16	3.38	5	120	1000	0.5	20	1.0	TMZJ3.3B	-	3.32	3.53	TMZJ3.6A	-	3.6	3.46	3.70	5	100	1000	1.0	10	1.0	TMZJ3.6B	-	3.60	3.85	TMZJ3.9A	-	3.9	3.74	4.01	5	100	1000	1.0	5	1.0	TMZJ3.9B	-	3.89	4.16	TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0	TMZJ4.3B	-	4.17	4.43	TMZJ4.3C	-		4.30	4.57							TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0	TMZJ4.7B	-	4.55	4.80	TMZJ4.7C	-		4.68	4.93						TMZJ5.1A		-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-		5.09	5.37	TMZJ5.6A	-	5.6	5.28	5.55	5	60							500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-	5.61	5.91	TMZJ6.2A	-	6.2	5.78	6.09		5	60				300			1.0	5	3.0	TMZJ6.2B	-	5.96		6.27	TMZJ6.2C	-	6.12	6.44	TMZJ6.8A	-	6.8	6.29	6.63	5		20	150	0.5	2	3.5	TMZJ6.8B	-	6.49							6.83	TMZJ6.8C	-	6.66	7.01	TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B		-	7.07		7.45			TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-				8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45		TMZJ9.1A	-							9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30		TMZJ10A	-				10			9.12	9.59	5	30	120	0.5		0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D		-	9.94	10.44	TMZJ11A	-	11	10.18	10.71							5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12		11.13	11.71							5
TMZJ2.7A	-	2.7	2.54	2.75	5	110	1000	0.5	100	1.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ2.7B	-		2.69	2.91									TMZJ3.0A	-	3.0	2.85	3.07	5	120	1000	0.5	50	1.0	TMZJ3.0B	-	3.01	3.22	TMZJ3.3A	-	3.3	3.16	3.38	5	120	1000	0.5	20	1.0	TMZJ3.3B	-	3.32	3.53	TMZJ3.6A	-	3.6	3.46	3.70	5	100	1000	1.0	10	1.0	TMZJ3.6B	-	3.60	3.85	TMZJ3.9A	-	3.9	3.74	4.01	5	100	1000	1.0	5	1.0	TMZJ3.9B	-	3.89	4.16	TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0	TMZJ4.3B	-	4.17	4.43	TMZJ4.3C	-		4.30	4.57							TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0	TMZJ4.7B	-	4.55	4.80	TMZJ4.7C	-		4.68	4.93							TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-		5.09	5.37							TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5		TMZJ5.6B	-			5.45	5.73	TMZJ5.6C	-	5.61	5.91					TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5		3.0	TMZJ6.2B	-			5.96	6.27	TMZJ6.2C		-	6.12				6.44	TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2		3.5	TMZJ6.8B		-						6.49	6.83	TMZJ6.8C	-	6.66	7.01	TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5		4	TMZJ7.5B							-	7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5		5	TMZJ8.2B							-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5		6	TMZJ9.1B							-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30		120	0.5	0.2	7					TMZJ10B			-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-	9.94	10.44	TMZJ11A	-	11	10.18		10.71	5	30	120	0.5	0.2	8	TMZJ11B							-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12		11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	
TMZJ3.0A	-	3.0	2.85	3.07	5	120	1000	0.5	50	1.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ3.0B	-		3.01	3.22									TMZJ3.3A	-	3.3	3.16	3.38	5	120	1000	0.5	20	1.0	TMZJ3.3B	-	3.32	3.53	TMZJ3.6A	-	3.6	3.46	3.70	5	100	1000	1.0	10	1.0	TMZJ3.6B	-	3.60	3.85	TMZJ3.9A	-	3.9	3.74	4.01	5	100	1000	1.0	5	1.0	TMZJ3.9B	-	3.89	4.16	TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0	TMZJ4.3B	-	4.17	4.43	TMZJ4.3C	-		4.30	4.57							TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0	TMZJ4.7B	-	4.55	4.80	TMZJ4.7C	-		4.68	4.93							TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-		5.09	5.37							TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-		5.61	5.91							TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-		6.12	6.44						TMZJ6.8A		-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-		6.66	7.01						TMZJ7.5A		-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-		7.29	7.67						TMZJ8.2A		-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-		8.03	8.45						TMZJ9.1A		-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-		8.83	9.30						TMZJ10A		-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-		9.70	10.2			TMZJ10D					-	9.94	10.44	TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-		10.82	11.38	TMZJ12A							-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-		11.74	12.35	TMZJ13A							-	13
TMZJ3.3A	-	3.3	3.16	3.38	5	120	1000	0.5	20	1.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ3.3B	-		3.32	3.53									TMZJ3.6A	-	3.6	3.46	3.70	5	100	1000	1.0	10	1.0	TMZJ3.6B	-	3.60	3.85	TMZJ3.9A	-	3.9	3.74	4.01	5	100	1000	1.0	5	1.0	TMZJ3.9B	-	3.89	4.16	TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0	TMZJ4.3B	-	4.17	4.43	TMZJ4.3C	-		4.30	4.57							TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0	TMZJ4.7B	-	4.55	4.80	TMZJ4.7C	-		4.68	4.93							TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-		5.09	5.37							TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-		5.61	5.91							TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-		6.12	6.44							TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-		6.66	7.01							TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-		7.29	7.67							TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-		8.03	8.45							TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-		8.83	9.30							TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-		9.70	10.2							TMZJ10D	-	9.94	10.44	TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-		10.82	11.38							TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-		11.74	12.35							TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	
TMZJ3.6A	-	3.6	3.46	3.70	5	100	1000	1.0	10	1.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ3.6B	-		3.60	3.85									TMZJ3.9A	-	3.9	3.74	4.01	5	100	1000	1.0	5	1.0	TMZJ3.9B	-	3.89	4.16	TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0	TMZJ4.3B	-	4.17	4.43	TMZJ4.3C	-		4.30	4.57							TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0	TMZJ4.7B	-	4.55	4.80	TMZJ4.7C	-		4.68	4.93							TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-		5.09	5.37							TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-		5.61	5.91							TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-		6.12	6.44							TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-		6.66	7.01							TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-		7.29	7.67							TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-		8.03	8.45							TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-		8.83	9.30							TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-		9.70	10.2							TMZJ10D	-	9.94	10.44	TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-		10.82	11.38							TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-		11.74	12.35							TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-		12.99	13.66							TMZJ15A	-	15	13.44	14.13	5	40
TMZJ3.9A	-	3.9	3.74	4.01	5	100	1000	1.0	5	1.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ3.9B	-		3.89	4.16									TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0	TMZJ4.3B	-	4.17	4.43	TMZJ4.3C	-		4.30	4.57							TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0	TMZJ4.7B	-	4.55	4.80	TMZJ4.7C	-		4.68	4.93							TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-		5.09	5.37							TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-		5.61	5.91							TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-		6.12	6.44							TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-		6.66	7.01							TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-		7.29	7.67							TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-		8.03	8.45							TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-		8.83	9.30							TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-		9.70	10.2							TMZJ10D	-	9.94	10.44	TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-		10.82	11.38							TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-		11.74	12.35							TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-		12.99	13.66							TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62							
TMZJ4.3A	-	4.3	4.04	4.29	5	100	1000	1.0	5	1.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ4.3B	-		4.17	4.43																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ4.3C	-		4.30	4.57									TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0	TMZJ4.7B	-	4.55	4.80	TMZJ4.7C	-	4.68	4.93	TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-	5.09	5.37	TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-	5.61	5.91	TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-	6.12	6.44	TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-	6.66	7.01	TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-	9.94	10.44	TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44		14.13	5							40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																														
TMZJ4.7A	-	4.7	4.44	4.68	5	90	900	1.0	5	1.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ4.7B	-		4.55	4.80																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ4.7C	-		4.68	4.93									TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5	TMZJ5.1B	-	4.94	5.20	TMZJ5.1C	-	5.09	5.37	TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-	5.61	5.91	TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-	6.12	6.44	TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-	6.66	7.01	TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-		9.94	10.44							TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																	
TMZJ5.1A	-	5.1	4.81	5.07	5	80	800	1.0	5	1.5																																																																																																																																																																																																																																																																																																																																																																														
TMZJ5.1B	-		4.94	5.20																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ5.1C	-		5.09	5.37							TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5	TMZJ5.6B	-	5.45	5.73	TMZJ5.6C	-	5.61	5.91	TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-	6.12	6.44	TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-	6.66	7.01	TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-	9.94	10.44		TMZJ11A	-							11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																						
TMZJ5.6A	-	5.6	5.28	5.55	5	60	500	1.0	5	2.5																																																																																																																																																																																																																																																																																																																																																																														
TMZJ5.6B	-		5.45	5.73																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ5.6C	-		5.61	5.91							TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0	TMZJ6.2B	-	5.96	6.27	TMZJ6.2C	-	6.12	6.44	TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-	6.66	7.01	TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-		9.94	10.44							TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																									
TMZJ6.2A	-	6.2	5.78	6.09	5	60	300	1.0	5	3.0																																																																																																																																																																																																																																																																																																																																																																														
TMZJ6.2B	-		5.96	6.27																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ6.2C	-		6.12	6.44							TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5	TMZJ6.8B	-	6.49	6.83	TMZJ6.8C	-	6.66	7.01	TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-		9.94	10.44							TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																												
TMZJ6.8A	-	6.8	6.29	6.63	5	20	150	0.5	2	3.5																																																																																																																																																																																																																																																																																																																																																																														
TMZJ6.8B	-		6.49	6.83																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ6.8C	-		6.66	7.01							TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4	TMZJ7.5B	-	7.07	7.45	TMZJ7.5C	-	7.29	7.67	TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-		9.94	10.44							TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																																															
TMZJ7.5A	-	7.5	6.85	7.22	5	20	120	0.5	0.5	4																																																																																																																																																																																																																																																																																																																																																																														
TMZJ7.5B	-		7.07	7.45																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ7.5C	-		7.29	7.67							TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5	TMZJ8.2B	-	7.78	8.19	TMZJ8.2C	-	8.03	8.45	TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-		9.94	10.44							TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																																																																		
TMZJ8.2A	-	8.2	7.53	7.92	5	20	120	0.5	0.5	5																																																																																																																																																																																																																																																																																																																																																																														
TMZJ8.2B	-		7.78	8.19																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ8.2C	-		8.03	8.45							TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6	TMZJ9.1B	-	8.57	9.01	TMZJ9.1C	-	8.83	9.30	TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-		9.94	10.44							TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																																																																																					
TMZJ9.1A	-	9.1	8.29	8.73	5	25	120	0.5	0.5	6																																																																																																																																																																																																																																																																																																																																																																														
TMZJ9.1B	-		8.57	9.01																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ9.1C	-		8.83	9.30							TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7	TMZJ10B	-	9.41	9.90	TMZJ10C	-	9.70	10.2	TMZJ10D	-		9.94	10.44							TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																																																																																																								
TMZJ10A	-	10	9.12	9.59	5	30	120	0.5	0.2	7																																																																																																																																																																																																																																																																																																																																																																														
TMZJ10B	-		9.41	9.90																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ10C	-		9.70	10.2																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ10D	-		9.94	10.44							TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8	TMZJ11B	-	10.5	11.05	TMZJ11C	-	10.82	11.38	TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																																																																																																																																						
TMZJ11A	-	11	10.18	10.71	5	30	120	0.5	0.2	8																																																																																																																																																																																																																																																																																																																																																																														
TMZJ11B	-		10.5	11.05																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ11C	-		10.82	11.38							TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9	TMZJ12B	-	11.44	12.03	TMZJ12C	-	11.74	12.35	TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																																																																																																																																																									
TMZJ12A	-	12	11.13	11.71	5	30	110	0.5	0.2	9																																																																																																																																																																																																																																																																																																																																																																														
TMZJ12B	-		11.44	12.03																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ12C	-		11.74	12.35							TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10	TMZJ13B	-	12.55	13.21	TMZJ13C	-	12.99	13.66	TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																																																																																																																																																																												
TMZJ13A	-	13	12.11	12.75	5	35	110	0.5	0.2	10																																																																																																																																																																																																																																																																																																																																																																														
TMZJ13B	-		12.55	13.21																																																																																																																																																																																																																																																																																																																																																																																				
TMZJ13C	-		12.99	13.66							TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11	TMZJ15B	-	13.89	14.62																																																																																																																																																																																																																																																																																																																																																															
TMZJ15A	-	15	13.44	14.13	5	40	110	0.5	0.2	11																																																																																																																																																																																																																																																																																																																																																																														
TMZJ15B	-		13.89	14.62																																																																																																																																																																																																																																																																																																																																																																																				



SMD Zener Diodes (Leadless) - 500mW

SMD Zener

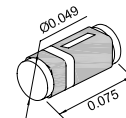
500mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" /13" Reel	
TMZJ15C	-	15	14.35	15.09	5	40	110	0.5	0.2	11	2500/-	MicroMELF (0805) 
TMZJ16A	-	16	14.80	15.57	5	40	150	0.5	0.2	12		
TMZJ16B	-		15.25	16.04								
TMZJ16C	-		15.69	16.51								
TMZJ18A	-	18	16.22	17.06	5	45	150	0.5	0.2	13		
TMZJ18B	-		16.82	17.70								
TMZJ18C	-		17.42	18.33								
TMZJ20A	-	20	18.02	18.96	5	55	200	0.5	0.2	15		
TMZJ20B	-		18.63	19.59								
TMZJ20C	-		19.23	20.22								
TMZJ20D	-		19.72	20.72								
TMZJ22A	-	22	20.15	21.20	5	30	200	0.5	0.2	17		
TMZJ22B	-		20.64	21.71								
TMZJ22C	-		21.08	22.17								
TMZJ22D	-		21.52	22.63								
TMZJ24A	-	24	22.05	23.18	5	35	200	0.5	0.2	19		
TMZJ24B	-		22.61	23.77								
TMZJ24C	-		23.12	24.31								
TMZJ24D	-		23.63	24.85								
TMZJ27A	-	27	24.26	25.52	5	45	250	0.5	0.2	21		
TMZJ27B	-		24.97	26.26								
TMZJ27C	-		25.63	26.95								
TMZJ27D	-		26.29	27.64								
TMZJ30A	-	30	26.99	28.39	5	55	250	0.5	0.2	23		
TMZJ30B	-		27.70	29.13								
TMZJ30C	-		28.36	29.82								
TMZJ30D	-		29.02	30.51								
TMZJ33A	-	33	29.68	31.22	5	65	250	0.5	0.2	25		
TMZJ33B	-		30.32	31.88								
TMZJ33C	-		30.90	32.50								
TMZJ33D	-		31.49	33.11								
TMZJ36A	-	36	32.14	33.79	5	75	250	0.5	0.2	27		
TMZJ36B	-		32.79	34.49								
TMZJ36C	-		33.40	35.13								
TMZJ36D	-		34.01	35.77								
TMZJ39A	-	39	34.68	36.47	5	85	250	0.5	0.2	30		
TMZJ39B	-		35.36	37.19								
TMZJ39C	-		36.00	37.85								
TMZJ39D	-		36.63	38.52								
TMZJ43	-	43	40	45	5	90	-	-	0.2	33		
TMZJ47	-	47	44	49	5	90	-	-	0.2	36		
TMZJ51	-	51	48	54	5	110	-	-	0.2	39		
TMZJ56	-	56	53	60	5	110	-	-	0.2	43		
TMZ2.0A	-	2.0	1.88	2.10	20	140	2000	1.0	120	0.5	2500/-	MicroMELF (0805) 
TMZ2.0B	-		2.02	2.20								
TMZ2.2A	-	2.2	2.12	2.30	20	120	2000	1.0	120	0.7		
TMZ2.2B	-		2.22	2.41								
TMZ2.4A	-	2.4	2.33	2.52	20	100	2000	1.0	120	1.0		
TMZ2.4B	-		2.43	2.63								
TMZ2.7A	-	2.7	2.54	2.75	20	100	1000	1.0	120	1.0		
TMZ2.7B	-		2.69	2.91								
TMZ3.0A	-	3.0	2.85	3.07	20	80	1000	1.0	50	1.0		
TMZ3.0B	-		3.01	3.22								
TMZ3.3A	-	3.3	3.16	3.38	20	70	1000	1.0	20	1.0		
TMZ3.3B	-		3.32	3.53								
TMZ3.6A	-	3.6	3.46	3.70	20	60	1000	1.0	10	1.0		
TMZ3.6B	-		3.60	3.85								
TMZ3.9A	-	3.9	3.74	4.01	20	50	1000	1.0	5	1.0		

SMD Zener Diodes (Leadless) - 500mW

SMD Zener

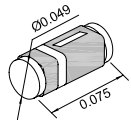
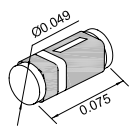
500mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)						7" /13" Reel	
TMZ3.9B	-	3.9	3.89	4.16	20	50	1000	1.0	5	1.0	2500/-	
TMZ4.3A	-		4.04	4.29								
TMZ4.3B	-	4.3	4.17	4.43	20	40	1000	1.0	5	1.0		
TMZ4.3C	-		4.30	4.57								
TMZ4.7A	-		4.44	4.68								
TMZ4.7B	-	4.7	4.55	4.80	20	25	900	1.0	5	1.0		
TMZ4.7C	-		4.68	4.93								
TMZ5.1A	-		4.81	5.07								
TMZ5.1B	-	5.1	4.94	5.20	20	20	800	1.0	5	1.5		
TMZ5.1C	-		5.09	5.37								
TMZ5.6A	-		5.28	5.55								
TMZ5.6B	-	5.6	5.45	5.73	20	13	500	1.0	5	2.5		
TMZ5.6C	-		5.61	5.91								
TMZ6.2A	-		5.78	6.09								
TMZ6.2B	-	6.2	5.96	6.27	20	10	300	1.0	5	3.0		
TMZ6.2C	-		6.12	6.44								
TMZ6.8A	-		6.29	6.63								
TMZ6.8B	-	6.8	6.49	6.83	20	8	150	0.5	2	3.5		
TMZ6.8C	-		6.66	7.01								
TMZ7.5A	-		6.85	7.22								
TMZ7.5B	-	7.5	7.07	7.45	20	8	120	0.5	0.5	4		
TMZ7.5C	-		7.29	7.67								
TMZ8.2A	-		7.53	7.92								
TMZ8.2B	-	8.2	7.78	8.19	20	8	120	0.5	0.5	5		
TMZ8.2C	-		8.03	8.45								
TMZ9.1A	-		8.29	8.73								
TMZ9.1B	-	9.1	8.57	9.01	20	8	120	0.5	0.5	6		
TMZ9.1C	-		8.83	9.30								
TMZ10A	-		9.12	9.59								
TMZ10B	-	10	9.41	9.90	20	8	120	0.5	0.2	7		
TMZ10C	-		9.70	10.20								
TMZ10D	-		9.94	10.44								
TMZ11A	-		10.18	10.71								
TMZ11B	-	11	10.50	11.05	10	10	120	0.5	0.2	8		
TMZ11C	-		10.82	11.38								
TMZ12A	-		11.13	11.71								
TMZ12B	-	12	11.44	12.03	10	12	110	0.5	0.2	9		
TMZ12C	-		11.74	12.35								
TMZ13A	-		12.11	12.75								
TMZ13B	-	13	12.55	13.21	10	14	110	0.5	0.2	10		
TMZ13C	-		12.99	13.66								
TMZ15A	-		13.44	14.13								
TMZ15B	-	15	13.89	14.62	10	16	110	0.5	0.2	11		
TMZ15C	-		14.35	15.09								
TMZ16A	-		14.80	15.57								
TMZ16B	-	16	15.25	16.04	10	18	150	0.5	0.2	12		
TMZ16C	-		15.69	16.51								
TMZ18A	-		16.22	17.06								
TMZ18B	-	18	16.82	17.70	10	23	150	0.5	0.2	13		
TMZ18C	-		17.42	18.33								
TMZ20A	-		18.02	18.96								
TMZ20B	-	20	18.63	19.59	10	28	200	0.5	0.2	15		
TMZ20C	-		19.23	20.22								
TMZ20D	-		19.72	20.72								

MicroMELF (0805)



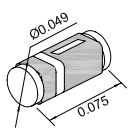
SMD Zener Diodes (Leadless) - 500mW

SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" /13" Reel	
TMZ55C2V4	-	2.4	2.28	2.56	5	85	600	1	50	1	2500/-	MicroMELF (0805) 
TMZ55C2V7	-	2.7	2.5	2.9	5	85	600	1	10	1		
TMZ55C3V0	-	3	2.8	3.2	5	85	600	1	4	1		
TMZ55C3V3	-	3.3	3.1	3.5	5	85	600	1	2	1		
TMZ55C3V6	-	3.6	3.4	3.8	5	85	600	1	2	1		
TMZ55C3V9	-	3.9	3.7	4.1	5	85	600	1	2	1		
TMZ55C4V3	-	4.3	4.0	4.6	5	75	600	1	1	1		
TMZ55C4V7	-	4.7	4.4	5.0	5	60	600	1	0.5	1		
TMZ55C5V1	-	5.1	4.8	5.4	5	35	550	1	0.1	1		
TMZ55C5V6	-	5.6	5.2	6.0	5	25	450	1	0.1	1		
TMZ55C6V2	-	6.2	5.8	6.6	5	10	200	1	0.1	2		
TMZ55C6V8	-	6.8	6.4	7.2	5	8	150	1	0.1	3		
TMZ55C7V5	-	7.5	7.0	7.9	5	7	50	1	0.1	5		
TMZ55C8V2	-	8.2	7.7	8.7	5	7	50	1	0.1	6		
TMZ55C9V1	-	9.1	8.5	9.6	5	10	50	1	0.1	7		
TMZ55C10	-	10	9.4	10.6	5	15	70	1	0.1	7.5		
TMZ55C11	-	11	10.4	11.6	5	20	70	1	0.1	8.5		
TMZ55C12	-	12	11.4	12.7	5	20	90	1	0.1	9		
TMZ55C13	-	13	12.4	14.1	5	26	110	1	0.1	10		
TMZ55C15	-	15	13.8	15.6	5	30	110	1	0.1	11		
TMZ55C16	-	16	15.3	17.1	5	40	170	1	0.1	12		
TMZ55C18	-	18	16.8	19.1	5	50	170	1	0.1	14		
TMZ55C20	-	20	18.8	21.2	5	55	220	1	0.1	15		
TMZ55C22	-	22	20.8	23.3	5	55	220	1	0.1	17		
TMZ55C24	-	24	22.8	25.6	5	80	220	1	0.1	18		
TMZ55C27	-	27	25.1	28.9	5	80	220	1	0.1	20		
TMZ55C30	-	30	28	32	5	80	220	1	0.1	22		
TMZ55C33	-	33	31	35	5	80	220	1	0.1	24		
TMZ55C36	-	36	34	38	5	80	220	1	0.1	27		
TMZ55C39	-	39	37	41	5	90	500	1	0.1	30		
TMZ55C43	-	43	40	46	2.5	90	600	1	0.1	33		
TMZ55C47	-	47	44	50	2.5	110	700	1	0.1	36		
TMZ55C51	-	51	48	54	2.5	125	700	0.5	0.1	39		
TMZ55C56	-	56	52	60	2.5	135	1000	0.5	0.1	43		
TMZ55C62	-	62	58	66	2.5	150	1000	0.5	0.1	47		
TMZ55C68	-	68	64	72	2.5	200	1000	0.5	0.1	51		
TMZ55C75	-	75	70	79	2.5	250	1500	0.5	0.1	56		
TMZ55C82	-	82	77	87	2.5	300	2000	0.5	0.1	62		
TMZ55C91	-	91	85	96	1	450	5000	0.1	0.1	68		
TMZ55C100	-	100	94	106	1	450	5000	0.1	0.1	75		
TMZ5221B	-	2.4	2.28	2.52	20.0	30.0	1200	20.0	100	1.0	2500/-	MicroMELF (0805) 
TMZ5222B	-	2.5	2.38	2.63	20.0	30.0	1250	20.0	100	1.0		
TMZ5223B	-	2.7	2.57	2.84	20.0	30.0	1300	20.0	75.0	1.0		
TMZ5224B	-	2.8	2.66	2.94	20.0	30.0	1400	20.0	75.0	1.0		
TMZ5225B	-	3.0	2.85	3.15	20.0	29.0	1600	20.0	50.0	1.0		
TMZ5226B	-	3.3	3.14	3.47	20.0	28.0	1600	20.0	25.0	1.0		
TMZ5227B	-	3.6	3.42	3.78	20.0	24.0	1700	20.0	15.0	1.0		
TMZ5228B	-	3.9	3.71	4.10	20.0	23.0	1900	20.0	10.0	1.0		
TMZ5229B	-	4.3	4.09	4.52	20.0	22.0	2000	0.25	5.0	1.0		
TMZ5230B	-	4.7	4.47	4.94	20.0	19.0	1900	0.25	5.0	2.0		
TMZ5231B	-	5.1	4.85	5.36	20.0	17.0	1600	0.25	5.0	2.0		
TMZ5232B	-	5.6	5.32	5.88	20.0	11.0	1600	0.25	5.0	3.0		
TMZ5233B	-	6.0	5.70	6.30	20.0	7.0	1600	0.25	5.0	3.5		
TMZ5234B	-	6.2	5.89	6.51	20.0	7.0	1000	0.25	5.0	4.0		
TMZ5235B	-	6.8	6.46	7.14	20.0	5.0	750	0.25	3.0	5.0		
TMZ5236B	-	7.5	7.13	7.88	20.0	6.0	500	0.25	3.0	6.0		
TMZ5237B	-	8.2	7.79	8.61	20.0	8.0	500	0.25	3.0	6.5		
TMZ5238B	-	8.7	8.27	9.14	20.0	8.0	600	0.25	3.0	6.5		

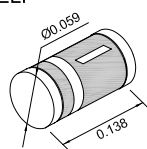
SMD Zener Diodes (Leadless) - 500mW

SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" /13" Reel	
TMZ5239B	-	9.1	8.65	9.56	20.0	10.0	600	0.25	3.0	7.0	2500/-	MicroMELF (0805) 
TMZ5240B	-	10	9.50	10.50	20.0	17.0	600	0.25	3.0	8.0		
TMZ5241B	-	11	10.45	11.55	20.0	22.0	600	0.25	2.0	8.4		
TMZ5242B	-	12	11.40	12.60	20.0	30.0	600	0.25	1.0	9.1		
TMZ5243B	-	13	12.35	13.65	9.5	13.0	600	0.25	0.5	9.9		
TMZ5244B	-	14	13.30	14.70	9.0	15.0	600	0.25	0.1	10.0		
TMZ5245B	-	15	14.25	15.75	8.5	16.0	600	0.25	0.1	11.0		
TMZ5246B	-	16	15.20	16.80	7.8	17.0	600	0.25	0.1	12.0		
TMZ5247B	-	17	16.15	17.85	7.4	19.0	600	0.25	0.1	13.0		
TMZ5248B	-	18	17.10	18.90	7.0	21.0	600	0.25	0.1	14.0		
TMZ5249B	-	19	18.05	19.95	6.6	23.0	600	0.25	0.1	14.0		
TMZ5250B	-	20	19.00	21.00	6.2	25.0	600	0.25	0.1	15.0		
TMZ5251B	-	22	20.90	23.10	5.6	29.0	600	0.25	0.1	17.0		
TMZ5252B	-	24	22.80	25.20	5.2	33.0	600	0.25	0.1	18.0		
TMZ5253B	-	25	23.75	26.25	5.0	35.0	600	0.25	0.1	19.0		
TMZ5254B	-	27	25.65	28.35	4.6	41.0	600	0.25	0.1	21.0		
TMZ5255B	-	28	26.60	29.40	4.5	44.0	600	0.25	0.1	21.0		
TMZ5256B	-	30	28.50	31.50	4.2	49.0	600	0.25	0.1	23.0		
TMZ5257B	-	33	31.35	34.65	3.8	58.0	700	0.25	0.1	25.0		
TMZ5258B	-	36	34.20	37.80	3.4	70.0	700	0.25	0.1	27.0		
TMZ5259B	-	39	37.05	40.95	3.2	80.0	800	0.25	0.1	30.0		
TMZ5260B	-	43	40.85	45.15	3.0	93.0	900	0.25	0.1	33.0		
TMZ5261B	-	47	44.65	49.35	2.7	105.0	1000	0.25	0.1	36.0		
TMZ5262B	-	51	48.45	53.55	2.5	125.0	1100	0.25	0.1	39.0		
TMZ5263B	-	56	53.20	58.80	2.2	150.0	1300	0.25	0.1	43.0		
TMZ5264B	-	60	57.00	63.00	2.1	170.0	1400	0.25	0.1	46.0		
TMZ5265B	-	62	58.90	65.10	2.0	185.0	1400	0.25	0.1	47.0		
TMZ5266B	-	68	64.60	71.40	1.8	230.0	1600	0.25	0.1	52.0		
TMZ5267B	-	75	71.25	78.75	1.7	270.0	1700	0.25	0.1	56.0		
TLZJ2.0A	Z2A0	2.0	1.88	2.10	5	100	1000	0.5	120	0.5		
TLZJ2.0B	Z2B0		2.02	2.20								
TLZJ2.2A	Z2A2	2.2	2.12	2.30	5	100	1000	0.5	100	0.7		
TLZJ2.2B	Z2B2		2.22	2.41								
TLZJ2.4A	Z2A4	2.4	2.33	2.52	5	100	1000	0.5	120	1.0		
TLZJ2.4B	Z2B4		2.43	2.63								
TLZJ2.7A	Z2A7	2.7	2.54	2.75	5	110	1000	0.5	100	1.0		
TLZJ2.7B	Z2B7		2.69	2.91								
TLZJ3.0A	Z3A0	3.0	2.85	3.07	5	120	1000	0.5	50	1.0		
TLZJ3.0B	Z3B0		3.01	3.22								
TLZJ3.3A	Z3A3	3.3	3.16	3.38	5	120	1000	0.5	20	1.0		
TLZJ3.3B	Z3B3		3.32	3.53								
TLZJ3.6A	Z3A6	3.6	3.46	3.70	5	100	1000	1.0	10	1.0		
TLZJ3.6B	Z3B6		3.60	3.85								
TLZJ3.9A	Z3A9	3.9	3.74	4.01	5	100	1000	1.0	5	1.0		
TLZJ3.9B	Z3B9		3.89	4.16								
TLZJ4.3A	Z4A3	4.3	4.04	4.29	5	100	1000	1.0	5	1.0		
TLZJ4.3B	Z4B3		4.17	4.43								
TLZJ4.3C	Z4C3		4.30	4.57								
TLZJ4.7A	Z4A7	4.7	4.44	4.68	5	90	900	1.0	5	1.0		
TLZJ4.7B	Z4B7		4.55	4.80								
TLZJ4.7C	Z4C7		4.68	4.93								
TLZJ5.1A	Z5A1	5.1	4.81	5.07	5	80	800	1.0	5	1.5		
TLZJ5.1B	Z5B1		4.94	5.20								
TLZJ5.1C	Z5C1		5.09	5.37								
TLZJ5.6A	Z5A6	5.6	5.28	5.55	5	60	500	1.0	5	2.5		
TLZJ5.6B	Z5B6		5.45	5.73								
TLZJ5.6C	Z5C6		5.61	5.91								

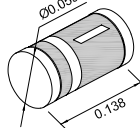
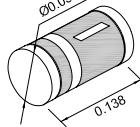
SMD Zener Diodes (Leadless) - 500mW

SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
TLZJ6.2A TLZJ6.2B TLZJ6.2C	Z6A2 Z6B2 Z6C2	6.2	5.78 5.96 6.12	6.09 6.27 6.44	5	60	300	1.0	5	3.0	2500/10000	miniMELF (1206) 
TLZJ6.8A TLZJ6.8B TLZJ6.8C	Z6A8 Z6B8 Z6C8	6.8	6.29 6.49 6.66	6.63 6.83 7.01	5	20	150	0.5	2	3.5		
TLZJ7.5A TLZJ7.5B TLZJ7.5C	Z7A5 Z7B5 Z7C5	7.5	6.85 7.07 7.29	7.22 7.45 7.67	5	20	120	0.5	0.5	4		
TLZJ8.2A TLZJ8.2B TLZJ8.2C	Z8A2 Z8B2 Z8C2	8.2	7.53 7.78 8.03	7.92 8.19 8.45	5	20	120	0.5	0.5	5		
TLZJ9.1A TLZJ9.1B TLZJ9.1C	Z9A1 Z9B1 Z9C1	9.1	8.29 8.57 8.83	8.73 9.01 9.30	5	25	120	0.5	0.5	6		
TLZJ10A TLZJ10B TLZJ10C TLZJ10D	Z10A Z10B Z10C Z10D	10	9.12 9.41 9.70 9.94	9.59 9.90 10.20 10.44	5	30	120	0.5	0.2	7		
TLZJ11A TLZJ11B TLZJ11C	Z11A Z11B Z11C	11	10.18 10.50 10.82	10.71 11.05 11.38	5	30	120	0.5	0.2	8		
TLZJ12A TLZJ12B TLZJ12C	Z12A Z12B Z12C	12	11.13 11.44 11.74	11.71 12.03 12.35	5	30	110	0.5	0.2	9		
TLZJ13A TLZJ13B TLZJ13C	Z13A Z13B Z13C	13	12.11 12.55 12.99	12.75 13.21 13.66	5	35	110	0.5	0.2	10		
TLZJ15A TLZJ15B TLZJ15C	Z15A Z15B Z15C	15	13.44 13.89 14.35	14.13 14.62 15.09	5	40	110	0.5	0.2	11		
TLZJ16A TLZJ16B TLZJ16C	Z16A Z16B Z16C	16	14.80 15.25 15.69	15.57 16.04 16.51	5	40	150	0.5	0.2	12		
TLZJ18A TLZJ18B TLZJ18C	Z18A Z18B Z18C	18	16.22 16.82 17.42	17.06 17.70 18.33	5	45	150	0.5	0.2	13		
TLZJ20A TLZJ20B TLZJ20C TLZJ20D	Z20A Z20B Z20C Z20D	20	18.02 18.63 19.23 19.72	18.96 19.59 20.22 20.72	5	55	200	0.5	0.2	15		
TLZJ22A TLZJ22B TLZJ22C TLZJ22D	Z22A Z22B Z22C Z22D	22	20.15 20.64 21.08 21.52	21.20 21.71 22.17 22.63	5	30	200	0.5	0.2	17		
TLZJ24A TLZJ24B TLZJ24C TLZJ24D	Z24A Z24B Z24C Z24D	24	22.05 22.61 23.12 23.63	23.18 23.77 24.31 24.85	5	35	200	0.5	0.2	19		
TLZJ27A TLZJ27B TLZJ27C TLZJ27D	Z27A Z27B Z27C Z27D	27	24.26 24.97 25.63 26.29	25.52 26.26 26.95 27.64	5	45	250	0.5	0.2	21		
TLZJ30A TLZJ30B TLZJ30C TLZJ30D	Z30A Z30B Z30C Z30D	30	26.99 27.70 28.36 29.02	28.39 29.13 29.82 30.51	5	55	250	0.5	0.2	23		

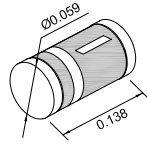
SMD Zener Diodes (Leadless) - 500mW

SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
TLZJ33A	Z33A	33	29.68	31.22	5	65	250	0.5	0.2	25	2500/10000	miniMELF (1206) 
TLZJ33B	Z33B		30.32	31.88								
TLZJ33C	Z33C		30.90	32.50								
TLZJ33D	Z33D		31.49	33.11								
TLZJ36A	Z36A	36	32.14	33.79	5	75	250	0.5	0.2	27		
TLZJ36B	Z36B		32.79	34.49								
TLZJ36C	Z36C		33.40	35.13								
TLZJ36D	Z36D		34.01	35.77								
TLZJ39A	Z39A	39	34.68	36.47	5	85	250	0.5	0.2	30		
TLZJ39B	Z39B		35.36	37.19								
TLZJ39C	Z39C		36.00	37.85								
TLZJ39D	Z39D		36.63	38.52								
TLZJ43	Z43	43	40	45	5	90	-	-	0.2	33		
TLZJ47	Z47	47	44	49	5	90	-	-	0.2	36		
TLZJ51	Z51	51	48	54	5	110	-	-	0.2	39		
TLZJ56	Z56	56	53	60	5	110	-	-	0.2	43		
TLZ2.0A	2A0	2.0	1.88	2.10	20	140	2000	1.0	120	0.5	2500/10000	miniMELF (1206) 
TLZ2.0B	2B0		2.02	2.20								
TLZ2.2A	2A2	2.2	2.12	2.30	20	120	2000	1.0	120	0.7		
TLZ2.2B	2B2		2.22	2.41								
TLZ2.4A	2A4	2.4	2.33	2.52	20	100	2000	1.0	120	1.0		
TLZ2.4B	2B4		2.43	2.63								
TLZ2.7A	2A7	2.7	2.54	2.75	20	100	1000	1.0	120	1.0		
TLZ2.7B	2B7		2.69	2.91								
TLZ3.0A	3A0	3.0	2.85	3.07	20	80	1000	1.0	50	1.0		
TLZ3.0B	3B0		3.01	3.22								
TLZ3.3A	3A3	3.3	3.16	3.38	20	70	1000	1.0	20	1.0		
TLZ3.3B	3B3		3.32	3.53								
TLZ3.6A	3A6	3.6	3.46	3.70	20	60	1000	1.0	10	1.0		
TLZ3.6B	3B6		3.60	3.85								
TLZ3.9A	3A9	3.9	3.74	4.01	20	50	1000	1.0	5	1.0		
TLZ3.9B	3B9		3.89	4.16								
TLZ4.3A	4A3	4.3	4.04	4.29	20	40	1000	1.0	5	1.0		
TLZ4.3B	4B3		4.17	4.43								
TLZ4.3C	4C3		4.30	4.57								
TLZ4.7A	4A7	4.7	4.44	4.68	20	25	900	1.0	5	1.0		
TLZ4.7B	4B7		4.55	4.80								
TLZ4.7C	4C7		4.68	4.93								
TLZ5.1A	5A1	5.1	4.81	5.07	20	20	800	1.0	5	1.5		
TLZ5.1B	5B1		4.94	5.20								
TLZ5.1C	5C1		5.09	5.37								
TLZ5.6A	5A6	5.6	5.28	5.55	20	13	500	1.0	5	2.5		
TLZ5.6B	5B6		5.45	5.73								
TLZ5.6C	5C6		5.61	5.91								
TLZ6.2A	6A2	6.2	5.78	6.09	20	10	300	1.0	5	3.0		
TLZ6.2B	6B2		5.96	6.27								
TLZ6.2C	6C2		6.12	6.44								
TLZ6.8A	6A8	6.8	6.29	6.63	20	8	150	0.5	2	3.5		
TLZ6.8B	6B8		6.49	6.83								
TLZ6.8C	6C8		6.66	7.01								
TLZ7.5A	7A5	7.5	6.85	7.22	20	8	120	0.5	0.5	4		
TLZ7.5B	7B5		7.07	7.45								
TLZ7.5C	7C5		7.29	7.67								
TLZ8.2A	8A2	8.2	7.53	7.92	20	8	120	0.5	0.5	5		
TLZ8.2B	8B2		7.78	8.19								
TLZ8.2C	8C2		8.03	8.45								

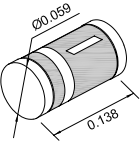
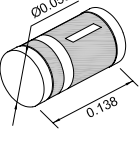
SMD Zener Diodes (Leadless) - 500mW

SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)														
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)																
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel															
TLZ9.1A TLZ9.1B TLZ9.1C	9A1 9B1 9C1	9.1	8.29	8.73	20	8	120	0.5	0.5	6	2500/10000	miniMELF (1206) 														
TLZ10A TLZ10B TLZ10C TLZ10D	10A 10B 10C 10D		10	9.12									9.59	20	8	120	0.5	0.2	7							
TLZ11A TLZ11B TLZ11C	11A 11B 11C			11									10.18							10.71	10	10	120	0.5	0.2	8
TLZ12A TLZ12B TLZ12C	12A 12B 12C	12			11.13	11.71	10	12	110	0.5			0.2							9						
TLZ13A TLZ13B TLZ13C	13A 13B 13C				13	12.11																				
TLZ15A TLZ15B TLZ15C	15A 15B 15C		15	13.44		14.13								10	16	110	0.5	0.2	11							
TLZ16A TLZ16B TLZ16C	16A 16B 16C	16		14.80		15.57	10	18	150	0.5			0.2							12						
TLZ18A TLZ18B TLZ18C	18A 18B 18C			18	16.22	17.06															10	23	150	0.5	0.2	13
TLZ20A TLZ20B TLZ20C TLZ20D	20A 20B 20C 20D		20		18.02	18.96								10	28	200	0.5	0.2	15							
ZMMC2V4	C2V4	2.4			2.28	2.56	5.0	85	600	1			50							1						
ZMMC2V7	C2V7	2.7		2.5	2.9	5.0	85	600	1	10			1													
ZMMC3V0	C3V0	3.0		2.8	3.2	5.0	85	600	1	4			1													
ZMMC3V3	C3V3	3.3	3.1	3.5	5.0	85	600	1	2	1																
ZMMC3V6	C3V6	3.6	3.4	3.8	5.0	85	600	1	2	1																
ZMMC3V9	C3V9	3.9	3.7	4.1	5.0	85	600	1	2	1																
ZMMC4V3	C4V3	4.3	4	4.6	5.0	75	600	1	1	1																
ZMMC4V7	C4V7	4.7	4.4	5	5.0	60	600	1	0.5	1																
ZMMC5V1	C5V1	5.1	4.8	5.4	5.0	35	550	1	0.1	1																
ZMMC5V6	C5V6	5.6	5.2	6	5.0	25	450	1	0.1	1																
ZMMC6V2	C6V2	6.2	5.8	6.6	5.0	10	200	1	0.1	2																
ZMMC6V8	C6V8	6.8	6.4	7.2	5.0	8	150	1	0.1	3																
ZMMC7V5	C7V5	7.5	7	7.9	5.0	7	50	1	0.1	5																
ZMMC8V2	C8V2	8.2	7.7	8.7	5.0	7	50	1	0.1	6																
ZMMC9V1	C9V1	9.1	8.5	9.6	5.0	10	50	1	0.1	7																
ZMMC10	C10V	10	9.4	10.6	5.0	15	70	1	0.1	7.5																
ZMMC11	C11V	11	10.4	11.6	5.0	20	70	1	0.1	8.5																
ZMMC12	C12V	12	11.4	12.7	5.0	20	90	1	0.1	9																
ZMMC13	C13V	13	12.4	14.1	5.0	26	110	1	0.1	10																
ZMMC15	C15V	15	13.8	15.6	5.0	30	110	1	0.1	11																
ZMMC16	C16V	16	15.3	17.1	5.0	40	170	1	0.1	12																
ZMMC18	C18V	18	16.8	19.1	5.0	50	170	1	0.1	14																
ZMMC20	C20V	20	18.8	21.2	5.0	55	220	1	0.1	15																
ZMMC22	C22V	22	20.8	23.3	5.0	55	220	1	0.1	17																
ZMMC24	C24V	24	22.8	25.6	5.0	80	220	1	0.1	18																
ZMMC27	C27V	27	25.1	28.9	5.0	80	220	1	0.1	20																
ZMMC30	C30V	30	28	32	5.0	80	220	1	0.1	22																
ZMMC33	C33V	33	31	35	5.0	80	220	1	0.1	24																
ZMMC36	C36V	36	34	38	5.0	80	220	1	0.1	27																

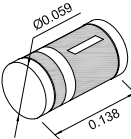
SMD Zener Diodes (Leadless) - 500mW

SMD Zener

500mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
ZMMC39	C39V	39	37	41	2.5	90	500	1	0.1	30	2500/10000	miniMELF (1206) 
ZMMC43	C43V	43	40	46	2.5	90	600	1	0.1	33		
ZMMC47	C47V	47	44	50	2.5	110	700	1	0.1	36		
ZMMC51	C51V	51	48	54	2.5	125	700	0.5	0.1	39		
ZMMC56	C56V	56	52	60	2.5	135	1000	0.5	0.1	43		
ZMMC62	C62V	62	58	66	2.5	150	1000	0.5	0.1	47		
ZMMC68	C68V	68	64	72	2.5	200	1000	0.5	0.1	51		
ZMMC75	C75V	75	70	79	2.5	250	1500	0.5	0.1	56		
ZMMC82	C82V	82	77	87	2.5	300	2000	0.5	0.1	62		
ZMMC91	C91V	91	85	96	1.0	450	5000	0.1	0.1	68		
ZMMC100	C100	100	94	106	1.0	450	5000	0.1	0.1	75		
TZMC2V4	-	2.4	2.28	2.56	5.0	85	600	1	50	1	2500/10000	miniMELF (1206) 
TZMC2V7	-	2.7	2.5	2.9	5.0	85	600	1	10	1		
TZMC3V0	-	3.0	2.8	3.2	5.0	85	600	1	4	1		
TZMC3V3	-	3.3	3.1	3.5	5.0	85	600	1	2	1		
TZMC3V6	-	3.6	3.4	3.8	5.0	85	600	1	2	1		
TZMC3V9	-	3.9	3.7	4.1	5.0	85	600	1	2	1		
TZMC4V3	-	4.3	4	4.6	5.0	75	600	1	1	1		
TZMC4V7	-	4.7	4.4	5	5.0	60	600	1	0.5	1		
TZMC5V1	-	5.1	4.8	5.4	5.0	35	550	1	0.1	1		
TZMC5V6	-	5.6	5.2	6	5.0	25	450	1	0.1	1		
TZMC6V2	-	6.2	5.8	6.6	5.0	10	200	1	0.1	2		
TZMC6V8	-	6.8	6.4	7.2	5.0	8	150	1	0.1	3		
TZMC7V5	-	7.5	7	7.9	5.0	7	50	1	0.1	5		
TZMC8V2	-	8.2	7.7	8.7	5.0	7	50	1	0.1	6		
TZMC9V1	-	9.1	8.5	9.6	5.0	10	50	1	0.1	7		
TZMC10	-	10	9.4	10.6	5.0	15	70	1	0.1	7.5		
TZMC11	-	11	10.4	11.6	5.0	20	70	1	0.1	8.5		
TZMC12	-	12	11.4	12.7	5.0	20	90	1	0.1	9		
TZMC13	-	13	12.4	14.1	5.0	26	110	1	0.1	10		
TZMC15	-	15	13.8	15.6	5.0	30	110	1	0.1	11		
TZMC16	-	16	15.3	17.1	5.0	40	170	1	0.1	12		
TZMC18	-	18	16.8	19.1	5.0	50	170	1	0.1	14		
TZMC20	-	20	18.8	21.2	5.0	55	220	1	0.1	15		
TZMC22	-	22	20.8	23.3	5.0	55	220	1	0.1	17		
TZMC24	-	24	22.8	25.6	5.0	80	220	1	0.1	18		
TZMC27	-	27	25.1	28.9	5.0	80	220	1	0.1	20		
TZMC30	-	30	28	32	5.0	80	220	1	0.1	22		
TZMC33	-	33	31	35	5.0	80	220	1	0.1	24		
TZMC36	-	36	34	38	5.0	80	220	1	0.1	27		
TZMC39	-	39	37	41	2.5	90	500	1	0.1	30		
TZMC43	-	43	40	46	2.5	90	600	1	0.1	33		
TZMC47	-	47	44	50	2.5	110	700	1	0.1	36		
TZMC51	-	51	48	54	2.5	125	700	0.5	0.1	39		
TZMC56	-	56	52	60	2.5	135	1000	0.5	0.1	43		
TZMC62	-	62	58	66	2.5	150	1000	0.5	0.1	47		
TZMC68	-	68	64	72	2.5	200	1000	0.5	0.1	51		
TZMC75	-	75	70	79	2.5	250	1500	0.5	0.1	56		
TZMC82	-	82	77	87	2.5	300	2000	0.5	0.1	62		
TZMC91	-	91	85	96	1.0	450	5000	0.1	0.1	68		
TZMC100	-	100	94	106	1.0	450	5000	0.1	0.1	75		

SMD Zener Diodes (Leadless) - 500mW

SMD Zener

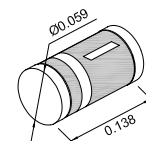
500mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
ZMM5221B	5221	2.4	2.28	2.52	20.0	30.0	1200	0.25	100	1.0	2500/10000	miniMELF (1206) 
ZMM5222B	5222	2.5	2.38	2.63	20.0	30.0	1250	0.25	100	1.0		
ZMM5223B	5223	2.7	2.57	2.84	20.0	30.0	1300	0.25	75	1.0		
ZMM5224B	5224	2.8	2.66	2.94	20.0	30.0	1400	0.25	75	1.0		
ZMM5225B	5225	3.0	2.85	3.15	20.0	29.0	1600	0.25	50	1.0		
ZMM5226B	5226	3.3	3.14	3.47	20.0	28.0	1600	0.25	25	1.0		
ZMM5227B	5227	3.6	3.42	3.78	20.0	24.0	1700	0.25	15	1.0		
ZMM5228B	5228	3.9	3.71	4.10	20.0	23.0	1900	0.25	10	1.0		
ZMM5229B	5229	4.3	4.09	4.52	20.0	22.0	2000	0.25	5.0	1.0		
ZMM5230B	5230	4.7	4.47	4.94	20.0	19.0	1900	0.25	5.0	2.0		
ZMM5231B	5231	5.1	4.85	5.36	20.0	17.0	1600	0.25	5.0	2.0		
ZMM5232B	5232	5.6	5.32	5.88	20.0	11.0	1600	0.25	5.0	3.0		
ZMM5233B	5233	6.0	5.70	6.30	20.0	7.0	1600	0.25	5.0	3.5		
ZMM5234B	5234	6.2	5.89	6.51	20.0	7.0	1000	0.25	5.0	4.0		
ZMM5235B	5235	6.8	6.46	7.14	20.0	5.0	750	0.25	3.0	5.0		
ZMM5236B	5236	7.5	7.13	7.88	20.0	6.0	500	0.25	3.0	6.0		
ZMM5237B	5237	8.2	7.79	8.61	20.0	8.0	500	0.25	3.0	6.5		
ZMM5238B	5238	8.7	8.27	9.14	20.0	8.0	600	0.25	3.0	6.5		
ZMM5239B	5239	9.1	8.65	9.56	20.0	10.0	600	0.25	3.0	7.0		
ZMM5240B	5240	10	9.50	10.50	20.0	17.0	600	0.25	3.0	8.0		
ZMM5241B	5241	11	10.45	11.55	20.0	22.0	600	0.25	2.0	8.4		
ZMM5242B	5242	12	11.40	12.60	20.0	30.0	600	0.25	1.0	9.1		
ZMM5243B	5243	13	12.35	13.65	9.5	13.0	600	0.25	0.5	9.9		
ZMM5244B	5244	14	13.30	14.70	9.0	15.0	600	0.25	0.1	10.0		
ZMM5245B	5245	15	14.25	15.75	8.5	16.0	600	0.25	0.1	11.0		
ZMM5246B	5246	16	15.20	16.80	7.8	17.0	600	0.25	0.1	12.0		
ZMM5247B	5247	17	16.15	17.85	7.4	19.0	600	0.25	0.1	13.0		
ZMM5248B	5248	18	17.10	18.90	7.0	21.0	600	0.25	0.1	14.0		
ZMM5249B	5249	19	18.05	19.95	6.6	23.0	600	0.25	0.1	14.0		
ZMM5250B	5250	20	19.00	21.00	6.2	25.0	600	0.25	0.1	15.0		
ZMM5251B	5251	22	20.90	23.10	5.6	29.0	600	0.25	0.1	17.0		
ZMM5252B	5252	24	22.80	25.20	5.2	33.0	600	0.25	0.1	18.0		
ZMM5253B	5253	25	23.75	26.25	5.0	35.0	600	0.25	0.1	19.0		
ZMM5254B	5254	27	25.65	28.35	4.6	41.0	600	0.25	0.1	21.0		
ZMM5255B	5255	28	26.60	29.40	4.5	44.0	600	0.25	0.1	21.0		
ZMM5256B	5256	30	28.50	31.50	4.2	49.0	600	0.25	0.1	23.0		
ZMM5257B	5257	33	31.35	34.65	3.8	58.0	700	0.25	0.1	25.0		
ZMM5258B	5258	36	34.20	37.80	3.4	70.0	700	0.25	0.1	27.0		
ZMM5259B	5259	39	37.05	40.95	3.2	80.0	800	0.25	0.1	30.0		
ZMM5260B	5260	43	40.85	45.15	3.0	93.0	900	0.25	0.1	33.0		
ZMM5261B	5261	47	44.65	49.35	2.7	105.0	1000	0.25	0.1	36.0		
ZMM5262B	5262	51	48.45	53.55	2.5	125.0	1100	0.25	0.1	39.0		
ZMM5263B	5263	56	53.20	58.80	2.2	150.0	1300	0.25	0.1	43.0		
ZMM5264B	5264	60	57.00	63.00	2.1	170.0	1400	0.25	0.1	46.0		
ZMM5265B	5265	62	58.90	65.10	2.0	185.0	1400	0.25	0.1	47.0		
ZMM5266B	5266	68	64.60	71.40	1.8	230.0	1600	0.25	0.1	52.0		
ZMM5267B	5267	75	71.25	78.75	1.7	270.0	1700	0.25	0.1	56.0		

SMD Zener Diodes (Leadless)- 500mW

SMD Zener

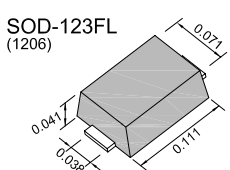
500mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
TZM5221B	-	2.4	2.28	2.52	20.0	30.0	1200	0.25	100	1.0		
TZM5222B	-	2.5	2.38	2.63	20.0	30.0	1250	0.25	100	1.0		
TZM5223B	-	2.7	2.57	2.84	20.0	30.0	1300	0.25	75	1.0		
TZM5224B	-	2.8	2.66	2.94	20.0	30.0	1400	0.25	75	1.0		
TZM5225B	-	3.0	2.85	3.15	20.0	29.0	1600	0.25	50	1.0		
TZM5226B	-	3.3	3.14	3.47	20.0	28.0	1600	0.25	25	1.0		
TZM5227B	-	3.6	3.42	3.78	20.0	24.0	1700	0.25	15	1.0		
TZM5228B	-	3.9	3.71	4.10	20.0	23.0	1900	0.25	10	1.0		
TZM5229B	-	4.3	4.09	4.52	20.0	22.0	2000	0.25	5.0	1.0		
TZM5230B	-	4.7	4.47	4.94	20.0	19.0	1900	0.25	5.0	2.0		
TZM5231B	-	5.1	4.85	5.36	20.0	17.0	1600	0.25	5.0	2.0		
TZM5232B	-	5.6	5.32	5.88	20.0	11.0	1600	0.25	5.0	3.0		
TZM5233B	-	6.0	5.70	6.30	20.0	7.0	1600	0.25	5.0	3.5		
TZM5234B	-	6.2	5.89	6.51	20.0	7.0	1000	0.25	5.0	4.0		
TZM5235B	-	6.8	6.46	7.14	20.0	5.0	750	0.25	3.0	5.0		
TZM5236B	-	7.5	7.13	7.88	20.0	6.0	500	0.25	3.0	6.0		
TZM5237B	-	8.2	7.79	8.61	20.0	8.0	500	0.25	3.0	6.5		
TZM5238B	-	8.7	8.27	9.14	20.0	8.0	600	0.25	3.0	6.5		
TZM5239B	-	9.1	8.65	9.56	20.0	10.0	600	0.25	3.0	7.0		
TZM5240B	-	10	9.50	10.50	20.0	17.0	600	0.25	3.0	8.0		
TZM5241B	-	11	10.45	11.55	20.0	22.0	600	0.25	2.0	8.4		
TZM5242B	-	12	11.40	12.60	20.0	30.0	600	0.25	1.0	9.1		
TZM5243B	-	13	12.35	13.65	9.5	13.0	600	0.25	0.5	9.9		
TZM5244B	-	14	13.30	14.70	9.0	15.0	600	0.25	0.1	10.0	2500/10000	
TZM5245B	-	15	14.25	15.75	8.5	16.0	600	0.25	0.1	11.0		
TZM5246B	-	16	15.20	16.80	7.8	17.0	600	0.25	0.1	12.0		
TZM5247B	-	17	16.15	17.85	7.4	19.0	600	0.25	0.1	13.0		
TZM5248B	-	18	17.10	18.90	7.0	21.0	600	0.25	0.1	14.0		
TZM5249B	-	19	18.05	19.95	6.6	23.0	600	0.25	0.1	14.0		
TZM5250B	-	20	19.00	21.00	6.2	25.0	600	0.25	0.1	15.0		
TZM5251B	-	22	20.90	23.10	5.6	29.0	600	0.25	0.1	17.0		
TZM5252B	-	24	22.80	25.20	5.2	33.0	600	0.25	0.1	18.0		
TZM5253B	-	25	23.75	26.25	5.0	35.0	600	0.25	0.1	19.0		
TZM5254B	-	27	25.65	28.35	4.6	41.0	600	0.25	0.1	21.0		
TZM5255B	-	28	26.60	29.40	4.5	44.0	600	0.25	0.1	21.0		
TZM5256B	-	30	28.50	31.50	4.2	49.0	600	0.25	0.1	23.0		
TZM5257B	-	33	31.35	34.65	3.8	58.0	700	0.25	0.1	25.0		
TZM5258B	-	36	34.20	37.80	3.4	70.0	700	0.25	0.1	27.0		
TZM5259B	-	39	37.05	40.95	3.2	80.0	800	0.25	0.1	30.0		
TZM5260B	-	43	40.85	45.15	3.0	93.0	900	0.25	0.1	33.0		
TZM5261B	-	47	44.65	49.35	2.7	105.0	1000	0.25	0.1	36.0		
TZM5262B	-	51	48.45	53.55	2.5	125.0	1100	0.25	0.1	39.0		
TZM5263B	-	56	53.20	58.80	2.2	150.0	1300	0.25	0.1	43.0		
TZM5264B	-	60	57.00	63.00	2.1	170.0	1400	0.25	0.1	46.0		
TZM5265B	-	62	58.90	65.10	2.0	185.0	1400	0.25	0.1	47.0		
TZM5266B	-	68	64.60	71.40	1.8	230.0	1600	0.25	0.1	52.0		
TZM5267B	-	75	71.25	78.75	1.7	270.0	1700	0.25	0.1	56.0		

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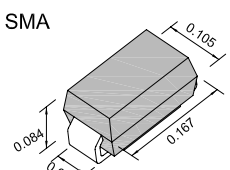
SMD Zener Diodes (Two Terminals) - 800mW

SMD Zener

800mW	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" Reel	
MFPZ3V6	3V6	3.6	3.42	3.78	100	8	400	1	100	1	3000	
MFPZ3V9	3V9	3.9	3.71	4.10	100	8	400	1	50	1		
MFPZ4V3	4V3	4.3	4.09	4.52	100	7	400	1	25	1		
MFPZ4V7	4V7	4.7	4.47	4.94	100	7	500	1	10	1		
MFPZ5V1	5V1	5.1	4.85	5.36	100	6	550	1	5	1		
MFPZ5V6	5V6	5.6	5.32	5.88	100	4	600	1	10	2		
MFPZ6V0	6V1	6.0	5.70	6.30	100	3	600	1	8	2		
MFPZ6V2	6V2	6.2	5.89	6.51	100	3	700	1	5	2		
MFPZ6V8	6V8	6.8	6.46	7.14	100	3	700	1	10	3		
MFPZ7V5	7V5	7.5	7.13	7.88	100	2	700	0.5	50	3		
MFPZ8V2	8V2	8.2	7.79	8.61	100	2	700	0.5	10	3		
MFPZ8V7	8V7	8.7	8.27	9.14	50	3	700	0.5	10	4		
MFPZ9V9	9V1	9.1	8.65	9.56	50	4	700	0.5	10	5		
MFPZ10	10P	10	9.50	10.50	50	4	700	0.25	7	7.5		
MFPZ11	11P	11	10.45	11.55	50	7	700	0.25	4	8.2		
MFPZ12	12P	12	11.40	12.60	50	7	700	0.25	3	9.1		
MFPZ13	13P	13	12.35	13.65	50	10	700	0.25	2	10		
MFPZ14	14P	14	13.30	14.70	50	10	700	0.25	2	11		
MFPZ15	15P	15	14.25	15.75	50	10	700	0.25	1	11		
MFPZ16	16P	16	15.20	16.80	25	15	700	0.25	1	12		
MFPZ17	17P	17	16.15	17.85	25	15	750	0.25	1	13		
MFPZ18	18P	18	17.10	18.90	25	15	750	0.25	1	13		
MFPZ19	19P	19	18.05	19.95	25	15	750	0.25	1	14		
MFPZ20	20P	20	19.00	21.00	25	15	750	0.25	1	15		
MFPZ22	22P	22	20.90	23.10	25	15	750	0.25	1	16		
MFPZ24	24P	24	22.80	25.20	25	15	750	0.25	1	18		
MFPZ25	25P	25	23.75	26.25	25	15	750	0.25	1	19		
MFPZ27	27P	27	25.65	28.35	25	15	750	0.25	1	20		
MFPZ28	28P	28	26.60	29.40	25	15	1000	0.25	1	21		
MFPZ30	30P	30	28.50	31.50	25	15	1000	0.25	1	22		
MFPZ33	33P	33	31.35	34.65	25	15	1000	0.25	1	24		
MFPZ36	36P	36	34.20	37.80	10	40	1000	0.25	1	27		
MFPZ39	39P	39	37.05	40.95	10	40	1000	0.25	1	30		
MFPZ43	43P	43	40.85	45.15	10	45	1500	0.25	1	33		
MFPZ47	47P	47	44.65	49.35	10	45	1500	0.25	1	36		
MFPZ51	51P	51	48.45	53.55	10	60	1500	0.25	1	39		
MFPZ56	56P	56	53.20	58.80	10	60	2000	0.25	1	43		
MFPZ62	62P	62	58.90	65.10	10	80	2000	0.25	1	47		
MFPZ68	68P	68	64.60	71.40	10	80	2000	0.25	1	51		
MFPZ75	75P	75	71.25	78.75	10	100	2000	0.25	1	56		

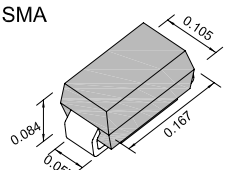
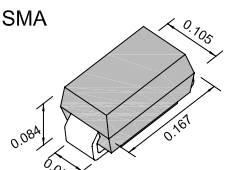
SMD Zener Diodes (Two Terminals) - 1W

SMD Zener

1.0 W	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7"/13" Reel	
Z1SMA4736A	736B	6.8	6.46	7.14	37.0	3.5	700	1.00	10.0	4.0	1800/7500	
Z1SMA4737A	737B	7.5	7.13	7.88	34.0	4.0	700	0.50	10.0	5.0		
Z1SMA4738A	738B	8.2	7.79	8.61	31.0	4.5	700	0.50	10.0	6.0		
Z1SMA4739A	739B	9.1	8.65	9.56	28.0	5.0	700	0.50	10.0	7.0		
Z1SMA4740A	740B	10	9.50	10.50	25.0	7.0	700	0.25	10.0	7.6		
Z1SMA4741A	741B	11	10.45	11.55	23.0	8.0	700	0.25	5.0	8.4		
Z1SMA4742A	742B	12	11.40	12.60	21.0	9.0	700	0.25	5.0	9.1		
Z1SMA4743A	743B	13	12.35	13.65	19.0	10.0	700	0.25	5.0	9.9		
Z1SMA4744A	744B	15	14.25	15.75	17.0	14.0	700	0.25	5.0	11.4		
Z1SMA4745A	745B	16	15.20	16.80	15.5	16.0	700	0.25	5.0	12.2		
Z1SMA4746A	746B	18	17.10	18.90	14.0	20.0	750	0.25	5.0	13.7		

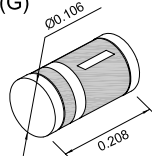
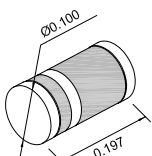
SMD Zener Diodes (Two Terminals) - 1W

SMD Zener

1.0 W	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)		
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)				
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7"/13" Reel			
Z1SMA4747A	747B	20	19.00	21.00	12.5	22.0	750	0.25	5.0	15.2	1800/7500	SMA 		
Z1SMA4748A	748B	22	20.90	23.10	11.5	23.0	750	0.25	5.0	16.7				
Z1SMA4749A	749B	24	22.80	25.20	10.5	25.0	750	0.25	5.0	18.2				
Z1SMA4750A	750B	27	25.65	28.35	9.5	35.0	750	0.25	5.0	20.6				
Z1SMA4751A	751B	30	28.50	31.50	8.5	40.0	1000	0.25	5.0	22.8				
Z1SMA4752A	752B	33	31.35	34.65	7.5	45.0	1000	0.25	5.0	25.1				
Z1SMA4753A	753B	36	34.20	37.80	7.0	50.0	1000	0.25	5.0	27.4				
Z1SMA4754A	754B	39	37.05	40.95	6.5	60.0	1000	0.25	5.0	29.7				
Z1SMA4755A	755B	43	40.85	45.15	6.0	70.0	1500	0.25	5.0	32.7				
Z1SMA4756A	756B	47	44.65	49.35	5.5	80.0	1500	0.25	5.0	35.8				
Z1SMA4757A	757B	51	48.45	53.55	5.0	95.0	1500	0.25	5.0	38.8				
Z1SMA3V3	FA	3.3	3.1	3.5	100	10	-	-	100	1			1800/7500	SMA 
Z1SMA3V6	FB	3.6	3.4	3.8	100	9	-	-	75	1				
Z1SMA3V9	FC	3.9	3.7	4.1	100	7.5	-	-	25	1				
Z1SMA4V3	FX	4.3	4.0	4.6	100	6	-	-	15	1				
Z1SMA4V7	FY	4.7	4.4	5.0	100	5	-	-	10	1				
Z1SMA5V1	EA	5.1	4.8	5.4	100	4	-	-	5	1.5				
Z1SMA5V6	EB	5.6	5.2	6.0	100	2	-	-	5	2				
Z1SMA6V2	EC	6.2	5.8	6.6	100	2	-	-	5	3				
Z1SMA6V8	EE	6.8	6.4	7.2	100	2.5	-	-	5	4				
Z1SMA7V5	ED	7.5	7.0	7.9	100	3	-	-	5	5				
Z1SMA8V2	EF	8.2	7.7	8.7	100	3.5	-	-	5	6				
Z1SMA9V1	EG	9.1	8.5	9.6	50	4	-	-	5	7				
Z1SMA10	EH	10	9.4	10.6	50	4	-	-	1	7.5				
Z1SMA11	EK	11	10.4	11.6	50	7	-	-	1	8.2				
Z1SMA12	EL	12	11.4	12.7	50	7	-	-	1	9.1				
Z1SMA13	EM	13	12.4	14.1	50	10	-	-	1	10				
Z1SMA15	EN	15	13.8	15.6	50	10	-	-	1	11				
Z1SMA16	EP	16	15.3	17.1	25	15	-	-	1	12				
Z1SMA18	EQ	18	16.8	19.1	25	15	-	-	1	13				
Z1SMA20	ER	20	18.8	21.2	25	15	-	-	1	15				
Z1SMA22	ES	22	20.8	23.3	25	15	-	-	1	16				
Z1SMA24	ET	24	22.8	25.6	25	15	-	-	1	18				
Z1SMA27	EU	27	25.1	28.9	25	15	-	-	1	20				
Z1SMA30	EV	30	28	32	25	15	-	-	1	22				
Z1SMA33	EW	33	31	35	25	15	-	-	1	24				
Z1SMA36	EX	36	34	38	10	40	-	-	1	27				
Z1SMA39	EY	39	37	41	10	40	-	-	1	30				
Z1SMA43	EZ	43	40	46	10	45	-	-	1	33				
Z1SMA47	FD	47	44	50	10	45	-	-	1	36				
Z1SMA51	FF	51	48	54	10	60	-	-	1	39				
Z1SMA56	FG	56	52	60	10	60	-	-	1	43				
Z1SMA62	FH	62	58	66	10	80	-	-	1	47				
Z1SMA68	FK	68	64	72	10	80	-	-	1	51				
Z1SMA75	FL	75	70	80	10	100	-	-	1	56				
Z1SMA82	FM	82	77	87	10	100	-	-	1	62				
Z1SMA91	FN	91	85	96	5	200	-	-	1	68				
Z1SMA100	FP	100	94	106	5	200	-	-	1	75				
Z1SMA110	FQ	110	104	116	5	250	-	-	1	82				
Z1SMA120	FR	120	114	127	5	250	-	-	1	91				
Z1SMA130	FS	130	124	141	5	300	-	-	1	100				
Z1SMA150	FT	150	138	156	5	300	-	-	1	110				
Z1SMA160	FU	160	153	171	5	350	-	-	1	120				
Z1SMA180	FV	180	168	191	5	400	-	-	1	130				
Z1SMA200	FW	200	188	212	5	400	-	-	1	150				

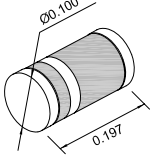
SMD Zener Diodes (Leadless) - 1W

SMD Zener

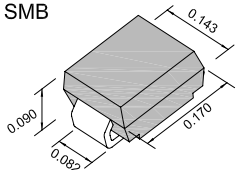
1.0 W	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
ZM4728A	-	3.3	3.1	3.5	76.0	10.0	400	1.00	100.0	1.0	1500/ 5000	
ZM4729A	-	3.6	3.4	3.8	69.0	10.0	400	1.00	100.0	1.0		
ZM4730A	-	3.9	3.7	4.1	64.0	9.0	400	1.00	50.0	1.0		
ZM4731A	-	4.3	4.1	4.5	58.0	9.0	400	1.00	10.0	1.0		
ZM4732A	-	4.7	4.5	4.9	53.0	8.0	500	1.00	10.0	1.0		
ZM4733A	-	5.1	4.8	5.4	49.0	7.0	550	1.00	10.0	1.0		
ZM4734A	-	5.6	5.3	5.9	45.0	5.0	600	1.00	10.0	2.0		
ZM4735A	-	6.2	5.9	6.5	41.0	2.0	700	1.00	10.0	3.0		
ZM4736A	-	6.8	6.5	7.1	37.0	3.5	700	1.00	10.0	4.0		
ZM4737A	-	7.5	7.1	7.9	34.0	4.0	700	0.50	10.0	5.0		
ZM4738A	-	8.2	7.8	8.6	31.0	4.5	700	0.50	10.0	6.0		
ZM4739A	-	9.1	8.6	9.6	28.0	5.0	700	0.50	10.0	7.0		
ZM4740A	-	10	9.5	10.5	25.0	7.0	700	0.25	10.0	7.6		
ZM4741A	-	11	10.5	11.6	23.0	8.0	700	0.25	5.0	8.4		
ZM4742A	-	12	11.4	12.6	21.0	9.0	700	0.25	5.0	9.1		
ZM4743A	-	13	12.4	13.7	19.0	10.0	700	0.25	5.0	9.9		
ZM4744A	-	15	14.3	15.8	17.0	14.0	700	0.25	5.0	11.4		
ZM4745A	-	16	15.2	16.8	15.5	16.0	700	0.25	5.0	12.2		
ZM4746A	-	18	17.1	18.9	14.0	20.0	750	0.25	5.0	13.7		
ZM4747A	-	20	19.0	21.0	12.5	22.0	750	0.25	5.0	15.2		
ZM4748A	-	22	20.9	23.1	11.5	23.0	750	0.25	5.0	16.7		
ZM4749A	-	24	22.8	25.2	10.5	25.0	750	0.25	5.0	18.2		
ZM4750A	-	27	25.7	28.4	9.5	35.0	750	0.25	5.0	20.6		
ZM4751A	-	30	28.5	31.5	8.5	40.0	1000	0.25	5.0	22.8		
ZM4752A	-	33	31.4	34.7	7.5	45.0	1000	0.25	5.0	25.1		
ZM4753A	-	36	34.2	37.8	7.0	50.0	1000	0.25	5.0	27.4		
ZM4754A	-	39	37.1	41	6.5	60.0	1000	0.25	5.0	29.7		
ZM4755A	-	43	40.85	45.15	6.0	70.0	1500	0.25	0.1	32.7		
ZM4756A	-	47	44.65	49.35	5.5	80.0	1500	0.25	0.1	35.8		
ZM4757A	-	51	48.45	53.55	5.0	95.0	1500	0.25	0.1	38.8		
ZM4758A	-	56	53.2	58.8	4.5	110.0	2000	0.25	0.1	42.6		
ZM4759A	-	62	58.9	65.1	4.0	125.0	2000	0.25	0.1	47.1		
ZM4760A	-	68	64.6	71.4	3.7	150.0	2000	0.25	0.1	51.7		
ZM4761A	-	75	71.25	78.75	3.3	175.0	2000	0.25	0.1	56.0		
ZM4762A	-	82	77.9	86.1	3.0	200.0	3000	0.25	0.1	62.2		
ZM4763A	-	91	86.45	95.55	2.8	250.0	3000	0.25	0.1	69.2		
ZM4764A	-	100	95	105	2.5	350.0	3000	0.25	0.1	76.0		
GLL4735A	-	6.2	5.9	6.5	41.0	2.0	700	1.00	50.0	3.0	1500/ 5000	
GLL4736A	-	6.8	6.5	7.1	37.0	3.5	700	1.00	10.0	4.0		
GLL4737A	-	7.5	7.1	7.9	34.0	4.0	700	0.50	10.0	5.0		
GLL4738A	-	8.2	7.8	8.6	31.0	4.5	700	0.50	10.0	6.0		
GLL4739A	-	9.1	8.6	9.6	28.0	5.0	700	0.50	10.0	7.0		
GLL4740A	-	10	9.5	10.5	25.0	7.0	700	0.25	10.0	7.6		
GLL4741A	-	11	10.5	11.6	23.0	8.0	700	0.25	5.0	8.4		
GLL4742A	-	12	11.4	12.6	21.0	9.0	700	0.25	5.0	9.1		
GLL4743A	-	13	12.4	13.7	19.0	10.0	700	0.25	5.0	9.9		
GLL4744A	-	15	14.3	15.8	17.0	14.0	700	0.25	5.0	11.4		
GLL4745A	-	16	15.2	16.8	15.5	16.0	700	0.25	5.0	12.2		
GLL4746A	-	18	17.1	18.9	14.0	20.0	750	0.25	5.0	13.7		
GLL4747A	-	20	19.0	21.0	12.5	22.0	750	0.25	5.0	15.2		
GLL4748A	-	22	20.9	23.1	11.5	23.0	750	0.25	5.0	16.7		
GLL4749A	-	24	22.8	25.2	10.5	25.0	750	0.25	5.0	18.2		
GLL4750A	-	27	25.7	28.4	9.5	35.0	750	0.25	5.0	20.6		
GLL4751A	-	30	28.5	31.5	8.5	40.0	1000	0.25	5.0	22.8		
GLL4752A	-	33	31.4	34.7	7.5	45.0	1000	0.25	5.0	25.1		
GLL4753A	-	36	34.2	37.8	7.0	50.0	1000	0.25	5.0	27.4		
GLL4754A	-	39	37.1	41	6.5	60.0	1000	0.25	5.0	29.7		
GLL4755A	-	43	40.85	45.15	6.0	70.0	1500	0.25	5.0	32.7		

SMD Zener Diodes (Leadless) - 1W

SMD Zener

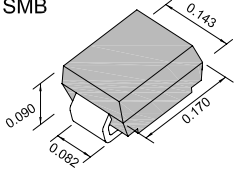
1.0 W	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
GLL4756A	-	47	44.65	49.35	5.5	80.0	1500	0.25	5.0	35.8	1500/5000	MELF 
GLL4757A	-	51	48.45	53.55	5.0	95.0	1500	0.25	5.0	38.8		
GLL4758A	-	56	53.2	58.8	4.5	110.0	2000	0.25	5.0	42.6		
GLL4759A	-	62	58.9	65.1	4.0	125.0	2000	0.25	5.0	47.1		
GLL4760A	-	68	64.6	71.4	3.7	150.0	2000	0.25	5.0	51.7		
GLL4761A	-	75	71.25	78.75	3.3	175.0	2000	0.25	5.0	56.0		
GLL4762A	-	82	77.9	86.1	3.0	200.0	3000	0.25	5.0	62.2		
GLL4763A	-	91	86.45	95.55	2.0	250.0	3000	0.25	5.0	69.2		
ZGL41-130	-	130	117	143	2.9	450	5000	0.25	1.0	98.8		
ZGL41-140	-	140	126	154	2.7	525	5500	0.25	1.0	106.4		
ZGL41-150	-	150	135	165	2.5	600	6000	0.25	1.0	114.0		
ZGL41-170	-	170	153	187	2.2	800	6750	0.25	1.0	129.2		
ZGL41-190	-	190	171	209	2.0	1050	7500	0.25	1.0	144.4		

SMD Zener Diodes (Two Terminals) - 1.5W

1.5 W	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
Z1.5SMB5921	921B	6.8	6.46	7.14	55.1	3	200	1.00	5.0	5.2	750/3200	SMB 
Z1.5SMB5922	922B	7.5	7.13	7.88	50.0	3	400	0.50	5.0	6.0		
Z1.5SMB5923	923B	8.2	7.79	8.61	45.7	4	400	0.50	5.0	6.5		
Z1.5SMB5924	924B	9.1	8.65	9.56	41.2	4	500	0.50	5.0	7.0		
Z1.5SMB5925	925B	10	9.50	10.50	37.5	4	500	0.25	5.0	8.0		
Z1.5SMB5926	926B	11	10.45	11.55	34.1	6	550	0.25	1.0	8.4		
Z1.5SMB5927	927B	12	11.40	12.60	31.2	7	550	0.25	1.0	9.1		
Z1.5SMB5928	928B	13	12.35	13.65	28.8	7	550	0.25	1.0	9.9		
Z1.5SMB5929	929B	15	14.25	15.75	25.0	9	600	0.25	1.0	11.4		
Z1.5SMB5930	930B	16	15.20	16.80	23.4	10	600	0.25	1.0	12.2		
Z1.5SMB5931	931B	18	17.10	18.90	20.8	12	650	0.25	1.0	13.7		
Z1.5SMB5932	932B	20	19.00	21.00	18.7	14	650	0.25	1.0	15.2		
Z1.5SMB5933	933B	22	20.90	23.10	17.0	18	650	0.25	1.0	16.7		
Z1.5SMB5934	934B	24	22.80	25.20	15.6	19	700	0.25	1.0	18.2		
Z1.5SMB5935	935B	27	25.65	28.35	13.9	23	700	0.25	1.0	20.6		
Z1.5SMB5936	936B	30	28.50	31.50	12.5	26	750	0.25	1.0	22.8		
Z1.5SMB5937	937B	33	31.35	34.65	11.4	33	800	0.25	1.0	25.1		
Z1.5SMB5938	938B	36	34.20	37.80	10.4	38	850	0.25	1.0	27.4		
Z1.5SMB5939	939B	39	37.05	40.95	9.6	45	900	0.25	1.0	29.7		
Z1.5SMB5940	940B	43	40.85	45.15	8.7	52	950	0.25	1.0	32.7		
Z1.5SMB5941	941B	47	44.65	49.35	8.0	67	1000	0.25	1.0	35.8		
Z1.5SMB5942	942B	51	48.45	53.55	7.3	70	1100	0.25	1.0	38.8		

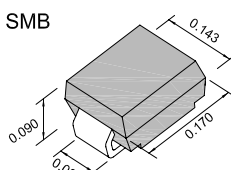
SMD Zener Diodes (Two Terminals) - 2W

SMD Zener

2.0 W	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" /13" Reel	
Z2SMB6.8B	2006	6.8	6.46	7.14	73.5	2	700	1.00	5	4.0	750/3200	SMB 
Z2SMB7.5B	2007	7.5	7.13	7.88	66.5	2	700	0.50	5	5.0		
Z2SMB8.2B	2008	8.2	7.79	8.61	61	2	700	0.50	5	6.0		
Z2SMB8.7B	20A8	8.7	8.27	9.14	58	2	700	0.50	4	6.6		
Z2SMB9.1B	2009	9.1	8.65	9.56	55	3	700	0.50	3	7.0		
Z2SMB10B	2010	10	9.50	10.50	50	4	700	0.25	3	7.6		
Z2SMB11B	2011	11	10.45	11.55	45.5	4	700	0.25	1	8.4		

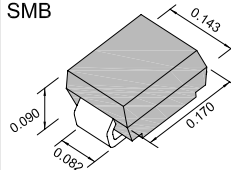
SMD Zener Diodes (Two Terminals) - 2W

SMD Zener

2.0 W	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7"/13" Reel	
Z2SMB12B	2012	12	11.40	12.60	41.5	5	700	0.25	1	9.1	750/3200	SMB 
Z2SMB13B	2013	13	12.35	13.65	38.5	5	700	0.25	0.5	9.9		
Z2SMB14B	2014	14	13.30	14.70	35.7	6	700	0.25	0.5	10.6		
Z2SMB15B	2015	15	14.25	15.75	33.4	7	700	0.25	0.5	11.4		
Z2SMB16B	2016	16	15.20	16.80	31.2	8	700	0.25	0.5	12.2		
Z2SMB17B	2017	17	16.15	17.85	29.4	9	750	0.25	0.5	13		
Z2SMB18B	2018	18	17.10	18.90	27.8	10	750	0.25	0.5	13.7		
Z2SMB19B	2019	19	18.05	19.95	26.3	11	750	0.25	0.5	14.4		
Z2SMB20B	2020	20	19.00	21.00	25	11	750	0.25	0.5	15.2		
Z2SMB22B	2022	22	20.90	23.10	22.8	12	750	0.25	0.5	16.7		
Z2SMB24B	2024	24	22.80	25.20	20.8	13	750	0.25	0.5	18.2		
Z2SMB25B	2025	25	23.75	26.25	20	14	750	0.25	0.5	19		
Z2SMB27B	2027	27	25.65	28.35	18.5	18	750	0.25	0.5	20.6		
Z2SMB28B	2028	28	26.60	29.40	17	18	750	0.25	0.5	21.3		
Z2SMB30B	2030	30	28.50	31.50	16.6	20	1000	0.25	0.5	22.5		
Z2SMB33B	2033	33	31.35	34.65	15.1	23	1000	0.25	0.5	25.1		
Z2SMB36B	2036	36	34.20	37.80	13.9	25	1000	0.25	0.5	27.4		
Z2SMB39B	2039	39	37.05	40.95	12.8	30	1000	0.25	0.5	29.7		
Z2SMB43B	2043	43	40.85	45.15	11.6	35	1500	0.25	0.5	32.7		
Z2SMB47B	2047	47	44.65	49.35	10.6	40	1500	0.25	0.5	35.8		
Z2SMB51B	2051	51	48.45	53.55	9.8	48	1500	0.25	0.5	38.8		

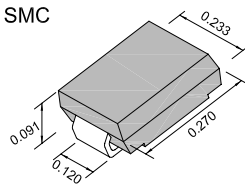
SMD Zener Diodes (Two Terminals)- 3W

SMD Zener

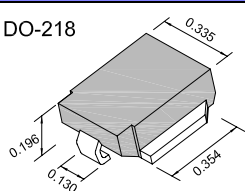
3.0 W	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.		V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7"/13" Reel	
Z3SMB6.8B	6V8B	6.8	6.46	7.14	110	2	700	1.00	5	4.0	750/3200	SMB 
Z3SMB7.5B	7V5B	7.5	7.13	7.88	100	2	700	0.50	5	5.0		
Z3SMB8.2B	8V2B	8.2	7.79	8.61	91	2	700	0.50	5	6.0		
Z3SMB8.7B	8V7B	8.7	8.27	9.14	85	2	700	0.50	4	6.6		
Z3SMB9.1B	9V1B	9.1	8.65	9.56	82	3	700	0.50	3	7.0		
Z3SMB10B	10B	10	9.50	10.50	75	4	700	0.25	3	7.6		
Z3SMB11B	11B	11	10.45	11.55	68	4	700	0.25	1	8.4		
Z3SMB12B	12B	12	11.40	12.60	63	5	700	0.25	1	9.1		
Z3SMB13B	13B	13	12.35	13.65	58	5	700	0.25	0.5	9.9		
Z3SMB14B	14B	14	13.30	14.70	53	5	700	0.25	0.5	10.6		
Z3SMB15B	15B	15	14.25	15.75	50	6	700	0.25	0.5	11.4		
Z3SMB16B	16B	16	15.20	16.80	47	6	700	0.25	0.5	12.2		
Z3SMB17B	17B	17	16.15	17.85	44	6	750	0.25	0.5	13		
Z3SMB18B	18B	18	17.10	18.90	42	6	750	0.25	0.5	13.7		
Z3SMB19B	19B	19	18.05	19.95	40	7	750	0.25	0.5	14.4		
Z3SMB20B	20B	20	19.00	21.00	37	7	750	0.25	0.5	15.2		
Z3SMB22B	22B	22	20.90	23.10	34	8	750	0.25	0.5	16.7		
Z3SMB24B	24B	24	22.80	25.20	31	9	750	0.25	0.5	18.2		
Z3SMB25B	25B	25	23.75	26.25	30	10	750	0.25	0.5	19		
Z3SMB27B	27B	27	25.65	28.35	28	10	750	0.25	0.5	20.6		
Z3SMB28B	28B	28	26.60	29.40	27	12	750	0.25	0.5	21.3		
Z3SMB30B	30B	30	28.50	31.50	25	16	1000	0.25	0.5	22.5		
Z3SMB33B	33B	33	31.35	34.65	23	20	1000	0.25	0.5	25.1		
Z3SMB36B	36B	36	34.20	37.80	21	22	1000	0.25	0.5	27.4		
Z3SMB39B	39B	39	37.05	40.95	19	28	1000	0.25	0.5	29.7		
Z3SMB43B	43B	43	40.85	45.15	17	33	1500	0.25	0.5	32.7		
Z3SMB47B	47B	47	44.65	49.35	16	38	1500	0.25	0.5	35.8		
Z3SMB51B	51B	51	48.45	53.55	15	45	1500	0.25	0.5	38.8		

SMD Zener Diodes (Two Terminals)- 5W

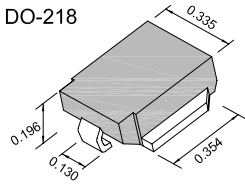
SMD Zener

5.0 W	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7"/13" Reel	
Z5SMC5342B	342B	6.8	6.46	7.14	175	1	200	1.0	10	5.2	850/ 3500	
Z5SMC5343B	343B	7.5	7.13	7.88	175	2	200	1.0	10	5.7		
Z5SMC5344B	344B	8.2	7.79	8.61	150	2	200	1.0	10	6.2		
Z5SMC5345B	345B	8.7	8.27	9.14	150	2	200	1.0	10	6.6		
Z5SMC5346B	346B	9.1	8.65	9.56	150	2	150	1.0	7.5	6.9		
Z5SMC5347B	347B	10	9.50	10.50	125	2	125	1.0	5.0	7.6		
Z5SMC5348B	348B	11	10.45	11.55	125	3	125	1.0	5.0	8.4		
Z5SMC5349B	349B	12	11.40	12.60	100	3	125	1.0	2.0	9.1		
Z5SMC5350B	350B	13	12.35	13.65	100	3	100	1.0	1.0	9.9		
Z5SMC5351B	351B	14	13.30	14.70	100	3	75	1.0	1.0	10.6		
Z5SMC5352B	352B	15	14.25	15.75	75	3	75	1.0	1.0	11.5		
Z5SMC5353B	353B	16	15.20	16.80	75	3	75	1.0	1.0	12.2		
Z5SMC5354B	354B	17	16.15	17.85	70	3	75	1.0	0.5	12.9		
Z5SMC5355B	355B	18	17.10	18.90	65	3	75	1.0	0.5	13.7		
Z5SMC5356B	356B	19	18.05	19.95	65	3	75	1.0	0.5	14.4		
Z5SMC5357B	357B	20	19.00	21.00	65	3	75	1.0	0.5	15.2		
Z5SMC5358B	358B	22	20.90	23.10	50	4	75	1.0	0.5	16.7		
Z5SMC5359B	359B	24	22.80	25.20	50	4	100	1.0	0.5	18.2		
Z5SMC5360B	360B	25	23.75	26.25	50	4	110	1.0	0.5	19.0		
Z5SMC5361B	361B	27	25.65	28.35	50	5	120	1.0	0.5	20.6		
Z5SMC5362B	362B	28	26.60	29.40	50	6	130	1.0	0.5	21.2		
Z5SMC5363B	363B	30	28.50	31.50	40	8	140	1.0	0.5	22.8		
Z5SMC5364B	364B	33	31.35	34.65	40	10	150	1.0	0.5	25.1		
Z5SMC5365B	365B	36	34.20	37.80	30	11	160	1.0	0.5	27.4		
Z5SMC5366B	366B	39	37.05	40.95	30	14	170	1.0	0.5	28.7		
Z5SMC5367B	367B	43	40.85	45.15	30	20	190	1.0	0.5	32.7		
Z5SMC5368B	368B	47	44.65	49.35	25	25	210	1.0	0.5	35.8		
Z5SMC5369B	369B	51	48.45	53.55	25	27	230	1.0	0.5	38.8		

SMD Zener Diodes - 5W

5.0 W	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
Z5W27M	-	27	24	30	10	30	-	-	10	22	500	
Z5W37M	-	37	34	40	10	30	-	-	10	32		

SMD Zener Diodes - 6W

6.0 W	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
		Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.		V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
Z6W27M	-	27	24	30	10	30	-	-	10	22	500	

Part No.	Marking Code	Peak Power Dissipation @ 8x20µs	Max Reverse Stand-Off Voltage	Min. Breakdown Voltage	Max. Clamping Voltage @ I _{PPM} 8x20µs	Peak Pulse Current	Off-State Capacitance @1MHz, 0V	Pinout Figure	Package	Outline (Typ. in Inches)
		P _{PPM} (W)	V _{RWM} (V)	V _{BR} (V)	V _C (V)	I _{PPM} (A)	C _o (pF)			
TVG3R3VAWT	3X	150	3.3	4.2	10.9	15	120	7	4000	SOT-563 (0605)
TVG5R0VAWT	5X	150	5	6.3	14.5	10	100	7		
TVG12RVAWT	2X	150	12	13.3	25	6	60	7		
TVG03VAWS	F03	100	3	-	9	9	160	7	3000	SOT-363 (0805)
TVG05VAWS	F05	100	5	-	10	9	90	7		
TVG12VAWS	F12	100	12	-	20	5	60	7		
TVG15VAWS	F15	100	15	-	25	4	46	7		
TVG24VAWS	F24	100	24	-	45	2	38	7		
TVG36VAWS	F36	100	36	-	50	2	27	7		
TVG3R3VAWS	3X	100	3.3	4	10.9	14.5	200	7		
TVG5R0VAWS	5X	100	5	6	12.5	8	130	7		
TVG12RVAWS	2X	100	12	13.3	24	4.2	60	7		
TVG24RVAWS	4X	100	24	26.7	55.5	1.8	40	7		
TVG5R0VAW	5HX	350	5	6	9.8/14.5	5/24	400	7	3000	SOT-23-6 (1206)
TVG12RVAW	2GX	350	12	13.3	19/23	5/15	150	7		
TVG24RVAW	4FX	350	24	26.7	40/44	5/8	75	7		
TVT5R0LCW	5BU	300	5	6	14.5	24	5	1	3000	SOT-23 (1206)
TVT12RLCW	12B	300	12	-	25	15	5	1		
TVT24RLCW	24B	300	24	-	43.5	8	5	1		
TVT05LCW	T1S	400	5	-	12	5	1.2	1		
TVT12LCW	S12	400	12	-	24	5	1.2	1		
TVT15LCW	S15	400	15	-	30	5	1.2	1		
TVT24LCW	S24	400	24	-	55	5	1.2	1		
TVT05ALCW	T2S	400	5	6	11	5	1.2	6		
TVT12ALCW	DJ2	400	12	-	24	5	1.2	6		
TVT15ALCW	DJ5	400	15	-	30	5	1.2	6		
TVT24ALCW	DJ4	400	24	-	55	5	1.2	6		
TVT05LCAW	GL5	400	5	-	12	5	1.2	2		
TVT12LCAW	G12	400	12	-	24	5	1.2	2		
TVT15LCAW	G15	400	15	-	30	5	1.2	2		
TVT24LCAW	G24	400	24	-	55	5	1.2	2		

SMD TVS Arrays (Three Terminals)

SMD TVS

Part No.	Marking Code	Peak Power Dissipation @ 8x20µs	Max Reverse Stand-Off Voltage	Min. Breakdown Voltage	Max. Clamping Voltage @ I _{PPM} 8x20µs	Peak Pulse Current	Off-State Capacitance @1MHz, 0V	Pinout Figure	Package	Outline (Typ. in Inches)
		P _{PPM} (W)	V _{RWM} (V)	V _{BR} (V)	V _C (V)	I _{PPM} (A)	C _o (pF)		7" Reel	
TVT5V6AW	UA	150	3	5.32	9	5	90	5	3000	
TVT6V2AW	UB	150	3	-	11	5	70	5		
TVT6V8AW	UC	150	4.5	-	10	5	100	5		
TVT15VCW	UL	150	12	-	24	6	80	4		
TVT27VCW	US	150	22	-	36	4	50	4		
TVT5R0AW	5HA	350	5	6	14.5	24	400	5		
TVT12RAW	12G	350	12	13.3	25	15	150	5		
TVT12RCW	12	350	12	13.3	25	15	120	4		
TVT24RAW	24F	350	24	26.7	43.5	8	60	5		
TVT03W	1A	500	3	-	6.5	43	500	1		
TVT05W	2A	500	5	-	9.8	42	350	1		
TVT08W	3A	500	8	-	13.4	34	250	1		
TVT12W	4A	500	12	-	19	21	150	1		
TVT15W	5A	500	15	-	24	17	100	1		
TVT24W	6A	500	24	-	43	12	88	1		
TVT36W	SA	500	36	-	51	9	80	1		
TVT03AW	1AC	500	3	-	6.5	43	500	5		
TVT05AW	2AC	500	5	-	9.8	42	350	5		
TVT08AW	3AC	500	8	-	13.4	34	250	5		
TVT12AW	4AC	500	12	-	19	21	150	5		
TVT15AW	5AC	500	15	-	24	17	100	5		
TVT24AW	6AC	500	24	-	43	12	88	5		
TVT36AW	7AC	500	36	-	51	9	80	5		

SMD TVS Arrays (Two Terminals)

SMD TVS

Part No.	Marking Code	Peak Power Dissipation @ 8x20µs	Max Reverse Stand-Off Voltage	Min. Breakdown Voltage	Max. Clamping Voltage @ I _{PPM} 8x20µs	Peak Pulse Current	Off-State Capacitance @1MHz, 0V	Polarity	Package	Outline (Typ. in Inches)
		P _{PPM} (W)	V _{RWM} (V)	V _{BR} (V)	V _C (V)	I _{PPM} (A)	C _o (pF)		7" Reel	
TVD3R3F3	P	50	3.3	4.2	-	-	-	Uni	5000	
TVD5R0F3	5	50	5	5.8	-	-	-	Uni		
TVD3R3BF3	T	50	3.3	4.2	-	-	25	Bi		
TVD5R0BF3	6	50	5	5.8	-	-	15(Typ.)	Bi		
TVD03WU	GS	100	3	-	7.5	10	180	Uni	5000	
TVD05WU	GT	100	5	-	9.8	8.5	110	Uni		
TVD08WU	GU	100	8	-	13.4	7.5	70	Uni		
TVD12WU	GV	100	12	-	20	6.7	46	Uni		
TVD15WU	GW	100	15	-	24	6	35	Uni		
TVD24WU	GX	100	24	-	43	4.5	25	Uni		
TVD36WU	GY	100	36	-	52	3	18	Uni		

Part No.	Marking Code	Peak Power Dissipation @ 8x20µs	Max Reverse Stand-Off Voltage	Min. Breakdown Voltage	Max. Clamping Voltage @ I _{PPM} 8x20µs	Peak Pulse Current	Off-State Capacitance @1MHz, 0V	Polarity	Package	Outline (Typ. in Inches)
		P _{PPM} (W)	V _{RWM} (V)	V _{BR} (V)	V _C (V)	I _{PPM} (A)	C _o (pF)		7" Reel	
TVD3R3WT	3S	50	3.3	4	10.9	5	100	Uni	3000	
TVD5R0WT	5S	50	5	6	14.5	5	80	Uni		
TVD3R3BWT	3B	50	3.3	4.2	10.9	5	80	Bi		
TVD5R0BWT	5B	50	5	6.3	14.5	5	60	Bi		
TVD03WT	KD	120	3.3	-	6.5	5	200	Uni		
TVD05WT	KE	120	5	-	9	5	110	Uni		
TVD08WT	KR	120	8	-	13	5	70	Uni		
TVD12WT	LE	120	12	-	17	5	60	Uni		
TVD15WT	LM	120	15	-	22	5	50	Uni		
TVD24WT	LZ	120	24	-	32	3	25	Uni		
TVD36WT	MP	120	36	-	55	1	20	Uni		
TVD03WS	03W	320	3	-	6.5	1	450	Uni	3000	
TVD05WS	05W	320	5	-	9.8	1	300	Uni		
TVD08WS	08W	320	8	-	13.4	1	150	Uni		
TVD12WS	12W	320	12	-	19	1	130	Uni		
TVD15WS	15W	320	15	-	24	1	120	Uni		
TVD24WS	24W	320	24	-	43	1	80	Uni		
TVD36WS	36W	320	36	-	60	1	30	Uni		
TVD3R3WS	3J	350	3.3	4	10.9	34	500	Uni		
TVD5R0WS	5H	350	5	6	14.5	24	350	Uni		
TVD8R0WS	8H	350	8	8.5	16.9	21	250	Uni		
TVD12RWS	2G	350	12	13.3	25	15	150	Uni		
TVD24RWS	4F	350	24	26.7	45	8	88	Uni		
TVD5R0BWS	5G	350	5	6	14.5	24	200	Bi		
TVD8R0BWS	8G	350	8	8.5	16.9	21	120	Bi		
TVD12RBWS	2F	350	12	13.3	25	15	100	Bi		
TVD24RBWS	4E	350	24	26.7	45	8	50	Bi		
TVD05W	T1S	400	5	-	16	24	550	Uni	3000	
TVD12W	T4S	400	12	-	23	17	180	Uni		
TVD15W	T5S	400	15	-	28	14	165	Uni		
TVD24W	T6S	400	24	-	37	11	120	Uni		

SMD TVS - 200W

SMD TVS

200 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)	I _T (mA)	V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel	
SMF3.0A	-	HD	-	3.0	4.1	4.5	10	8	25	400	3000	
SMF5.0A	-	HE	-	5.0	6.4	7	10	9.2	21.7	400		
SMF6.0A	-	HG	-	6.0	6.7	7.4	10	10.3	19.4	400		
SMF6.5A	-	HK	-	6.5	7.2	8	10	11.2	17.9	250		
SMF7.0A	-	HM	-	7.0	7.8	8.6	10	12	16.7	100		
SMF7.5A	-	HP	-	7.5	8.3	9.2	1	12.9	15.5	50		
SMF8.0A	-	HR	-	8.0	8.9	9.8	1	13.6	14.7	25		
SMF8.5A	-	HT	-	8.5	9.4	10.4	1	14.4	13.9	10		
SMF9.0A	-	HV	-	9.0	10	11.1	1	15.4	13	5		
SMF10A	-	HX	-	10	11.1	12.3	1	17	11.8	2.5		
SMF11A	-	HZ	-	11	12.2	13.5	1	18.2	11	2.5		
SMF12A	-	IE	-	12	13.3	14.7	1	19.9	10.1	2.5		
SMF13A	-	IG	-	13	14.4	15.9	1	21.5	9.3	1		
SMF14A	-	IK	-	14	15.6	17.2	1	23.2	8.6	1		
SMF15A	-	IM	-	15	16.7	18.5	1	24.4	8.2	1		
SMF16A	-	IP	-	16	17.8	19.7	1	26	7.7	1		
SMF17A	-	IR	-	17	18.9	20.9	1	27.6	7.2	1		
SMF18A	-	IT	-	18	20	22.1	1	29.2	6.8	1		
SMF20A	-	IV	-	20	22.2	24.5	1	32.4	6.2	1		
SMF22A	-	IX	-	22	24.4	26.9	1	35.5	5.6	1		
SMF24A	-	IZ	-	24	26.7	29.5	1	38.9	5.1	1		
SMF26A	-	JE	-	26	28.9	31.9	1	42.1	4.8	1		
SMF28A	-	JG	-	28	31.1	34.4	1	45.4	4.4	1		
SMF30A	-	JK	-	30	33.3	36.8	1	48.4	4.1	1		
SMF33A	-	JM	-	33	36.7	40.6	1	53.3	3.8	1		
SMF36A	-	JP	-	36	40	44.2	1	58.1	3.4	1		
SMF40A	-	JR	-	40	44.4	49.1	1	64.5	3.1	1		
SMF43A	-	JT	-	43	47.8	52.8	1	69.4	2.9	1		
SMF45A	-	JV	-	45	50	55.3	1	72.7	2.8	1		
SMF48A	-	JX	-	48	53.3	58.9	1	77.4	2.6	1		
SMF51A	-	JZ	-	51	56.7	62.7	1	82.4	2.4	1		
SMF54A	-	RE	-	54	60	66.3	1	87.1	2.3	1		
SMF58A	-	RG	-	58	64.4	71.2	1	93.6	2.1	1		
SMF60A	-	RK	-	60	66.7	73.7	1	96.8	1.8	1		
SMF64A	-	RM	-	64	71.1	78.6	1	103	1.7	1		
SMF70A	-	RP	-	70	77.8	86	1	113	1.5	1		
SMF75A	-	RR	-	75	83.3	92.1	1	121	1.4	1		
SMF78A	-	RT	-	78	86.7	95.8	1	126	1.4	1		
SMF85A	-	RV	-	85	94.4	104	1	137	1.3	1		
SMF90A	-	RX	-	90	100	111	1	146	1.2	1		
SMF100A	-	RZ	-	100	111	123	1	162	1.1	1		

SMD TVS - 400W

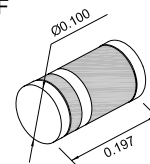
SMD TVS

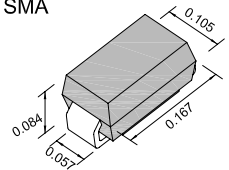
400 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)	I _T (mA)	V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel	
TGL41-6.8	TGL41-6.8C	-	-	5.50	6.12	7.48	10	10.8	37.0	1000	1500	
TGL41-6.8A	TGL41-6.8CA	-	-	5.80	6.45	7.14	10	10.5	38.1	1000		
TGL41-7.5	TGL41-7.5C	-	-	6.05	6.75	8.25	10	11.7	34.2	500		
TGL41-7.5A	TGL41-7.5CA	-	-	6.40	7.13	7.88	10	11.3	35.4	500		
TGL41-8.2	TGL41-8.2C	-	-	6.63	7.38	9.02	10	12.5	32.0	200		
TGL41-8.2A	TGL41-8.2CA	-	-	7.02	7.79	8.61	10	12.1	33.1	200		
TGL41-9.1	TGL41-9.1C	-	-	7.37	8.19	10.0	1.0	13.8	29.0	50		
TGL41-9.1A	TGL41-9.1CA	-	-	7.78	8.65	9.55	1.0	13.4	29.9	50		
TGL41-10	TGL41-10C	-	-	8.10	9.00	11.0	1.0	15.0	26.7	10		

400 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)	I _T (mA)	V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel	
TGL41-10A	TGL41-10CA	-	-	8.55	9.50	10.5	1.0	14.5	27.6	10		
TGL41-11	TGL41-11C	-	-	8.92	9.90	12.1	1.0	16.2	24.7	5		
TGL41-11A	TGL41-11CA	-	-	9.40	10.5	11.6	1.0	15.6	25.6	5		
TGL41-12	TGL41-12C	-	-	9.72	10.8	13.2	1.0	17.3	23.1	5		
TGL41-12A	TGL41-12CA	-	-	10.2	11.4	12.6	1.0	16.7	24.0	5		
TGL41-13	TGL41-13C	-	-	10.5	11.7	14.3	1.0	19.0	21.1	5		
TGL41-13A	TGL41-13CA	-	-	11.1	12.4	13.7	1.0	18.2	22.0	5		
TGL41-15	TGL41-15C	-	-	12.1	13.5	16.5	1.0	22.0	18.2	5		
TGL41-15A	TGL41-15CA	-	-	12.8	14.3	15.8	1.0	21.2	18.9	5		
TGL41-16	TGL41-16C	-	-	12.9	14.4	17.6	1.0	23.5	17.0	5		
TGL41-16A	TGL41-16CA	-	-	13.6	15.2	16.8	1.0	22.5	17.8	5		
TGL41-18	TGL41-18C	-	-	14.5	16.2	19.8	1.0	26.5	15.1	5		
TGL41-18A	TGL41-18CA	-	-	15.3	17.1	18.9	1.0	25.2	15.9	5		
TGL41-20	TGL41-20C	-	-	16.2	18.0	22.0	1.0	29.1	13.7	5		
TGL41-20A	TGL41-20CA	-	-	17.1	19.0	21.0	1.0	27.7	14.4	5		
TGL41-22	TGL41-22C	-	-	17.8	19.8	24.2	1.0	31.9	12.5	5		
TGL41-22A	TGL41-22CA	-	-	18.8	20.9	23.1	1.0	30.6	13.1	5		
TGL41-24	TGL41-24C	-	-	19.4	21.6	26.4	1.0	34.7	11.5	5		
TGL41-24A	TGL41-24CA	-	-	20.5	22.8	25.2	1.0	33.2	12.0	5		
TGL41-27	TGL41-27C	-	-	21.8	24.3	29.7	1.0	39.1	10.2	5		
TGL41-27A	TGL41-27CA	-	-	23.1	25.7	28.4	1.0	37.5	10.7	5		
TGL41-30	TGL41-30C	-	-	24.3	27.0	33.0	1.0	43.5	9.2	5		
TGL41-30A	TGL41-30CA	-	-	25.6	28.5	31.5	1.0	41.4	9.7	5		
TGL41-33	TGL41-33C	-	-	26.8	29.7	36.3	1.0	47.7	8.4	5		
TGL41-33A	TGL41-33CA	-	-	28.2	31.4	34.7	1.0	45.7	8.8	5		
TGL41-36	TGL41-36C	-	-	29.1	32.4	39.6	1.0	52.0	7.7	5		
TGL41-36A	TGL41-36CA	-	-	30.8	34.2	37.8	1.0	49.9	8.0	5		
TGL41-47	TGL41-47C	-	-	38.1	42.3	51.7	1.0	67.8	5.9	5		
TGL41-47A	TGL41-47CA	-	-	40.2	44.7	49.4	1.0	64.8	6.2	5		
TGL41-51	TGL41-51C	-	-	41.3	45.9	56.1	1.0	73.5	5.4	5		
TGL41-51A	TGL41-51CA	-	-	43.6	48.5	53.6	1.0	70.1	5.7	5		
TGL41-56	TGL41-56C	-	-	45.4	50.4	61.6	1.0	80.5	5.0	5		
TGL41-56A	TGL41-56CA	-	-	47.8	53.2	58.8	1.0	77.0	5.2	5		
TGL41-62	TGL41-62C	-	-	50.2	55.8	68.2	1.0	89.0	4.5	5		
TGL41-62A	TGL41-62CA	-	-	53.0	58.9	65.1	1.0	85.0	4.7	5		
TGL41-68	TGL41-68C	-	-	55.1	61.2	74.8	1.0	98.0	4.1	5		
TGL41-68A	TGL41-68CA	-	-	58.1	64.6	71.4	1.0	92.0	4.3	5		
TGL41-75	TGL41-75C	-	-	60.7	67.5	82.5	1.0	108	3.7	5		
TGL41-75A	TGL41-75CA	-	-	64.1	71.3	78.8	1.0	103	3.9	5		
TGL41-82	TGL41-82C	-	-	66.4	73.8	90.2	1.0	118	3.4	5		
TGL41-82A	TGL41-82CA	-	-	70.1	77.9	86.1	1.0	113	3.5	5		
TGL41-91	TGL41-91C	-	-	73.7	81.9	100	1.0	131	3.1	5		
TGL41-91A	TGL41-91CA	-	-	77.8	86.5	95.5	1.0	125	3.2	5		
TGL41-100	TGL41-100C	-	-	81.0	90.0	110	1.0	144	1.39	5		
TGL41-100A	TGL41-100CA	-	-	85.5	95.0	105	1.0	137	1.46	5		
TGL41-110	TGL41-110C	-	-	89.2	99.0	121	1.0	158	1.27	5		
TGL41-110A	TGL41-110CA	-	-	94.0	105	116	1.0	152	1.32	5		
TGL41-120	TGL41-120C	-	-	97.2	108	132	1.0	173	1.16	5		
TGL41-120A	TGL41-120CA	-	-	102	114	126	1.0	165	1.21	5		
TGL41-130	TGL41-130C	-	-	105	117	143	1.0	187	1.07	5		
TGL41-130A	TGL41-130CA	-	-	111	124	137	1.0	179	1.12	5		
TGL41-150	TGL41-150C	-	-	121	135	165	1.0	215	0.93	5		
TGL41-150A	TGL41-150CA	-	-	128	143	158	1.0	207	0.97	5		
TGL41-160	TGL41-160C	-	-	130	144	176	1.0	230	0.87	5		
TGL41-160A	TGL41-160CA	-	-	136	152	168	1.0	219	0.91	5		
TGL41-170	TGL41-170C	-	-	138	153	187	1.0	244	0.82	5		
TGL41-170A	TGL41-170CA	-	-	145	162	179	1.0	234	0.85	5		

MELF

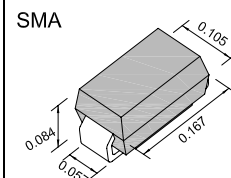
1500



400 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)	I _T (mA)	V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel	
SMAJ5.0A	SMAJ5.0CA	AE	WE	5.0	6.40	7.08	10.0	9.2	43.5	800/1600	1800	
SMAJ6.0A	SMAJ6.0CA	AG	WG	6.0	6.67	7.37	10.0	10.3	38.8	800/1600		
SMAJ6.5A	SMAJ6.5CA	AK	WK	6.5	7.22	7.98	10.0	11.2	35.7	500/1000		
SMAJ7.0A	SMAJ7.0CA	AM	WM	7.0	7.78	8.60	10.0	12.0	33.3	200/400		
SMAJ7.5A	SMAJ7.5CA	AP	WP	7.5	8.33	9.21	1.0	12.9	31.0	100/200		
SMAJ8.0A	SMAJ8.0CA	AR	WR	8.0	8.89	9.83	1.0	13.6	29.4	50/100		
SMAJ8.5A	SMAJ8.5CA	AT	WT	8.5	9.44	10.4	1.0	14.4	27.8	10/20		
SMAJ9.0A	SMAJ9.0CA	AV	WV	9.0	10.0	11.1	1.0	15.4	26.0	5/10		
SMAJ10A	SMAJ10CA	AX	WX	10	11.1	12.3	1.0	17.0	23.5	1/2		
SMAJ11A	SMAJ11CA	AZ	WZ	11	12.2	13.5	1.0	18.2	22.0	1.0		
SMAJ12A	SMAJ12CA	BE	XE	12	13.3	14.7	1.0	19.9	20.1	1.0		
SMAJ13A	SMAJ13CA	BG	XG	13	14.4	15.9	1.0	21.5	18.6	1.0		
SMAJ14A	SMAJ14CA	BK	XK	14	15.6	17.2	1.0	23.2	17.2	1.0		
SMAJ15A	SMAJ15CA	BM	XM	15	16.7	18.5	1.0	24.4	16.4	1.0		
SMAJ16A	SMAJ16CA	BP	XP	16	17.8	19.7	1.0	26.0	15.4	1.0		
SMAJ17A	SMAJ17CA	BR	XR	17	18.9	20.9	1.0	27.6	14.5	1.0		
SMAJ18A	SMAJ18CA	BT	XT	18	20.0	22.1	1.0	29.2	13.7	1.0		
SMAJ20A	SMAJ20CA	BV	XV	20	22.2	24.5	1.0	32.4	12.3	1.0		
SMAJ22A	SMAJ22CA	BX	XX	22	24.4	26.9	1.0	35.5	11.3	1.0		
SMAJ24A	SMAJ24CA	BZ	XZ	24	26.7	29.5	1.0	38.9	10.3	1.0		
SMAJ26A	SMAJ26CA	CE	YE	26	28.9	31.9	1.0	42.1	9.5	1.0		
SMAJ28A	SMAJ28CA	CG	YG	28	31.1	34.4	1.0	45.4	8.8	1.0		
SMAJ30A	SMAJ30CA	CK	YK	30	33.3	36.8	1.0	48.4	8.3	1.0		
SMAJ33A	SMAJ33CA	CM	YM	33	36.7	40.6	1.0	53.3	7.5	1.0		
SMAJ36A	SMAJ36CA	CP	YP	36	40.0	44.2	1.0	58.1	6.9	1.0		
SMAJ40A	SMAJ40CA	CR	YR	40	44.4	49.1	1.0	64.5	6.2	1.0		
SMAJ43A	SMAJ43CA	CT	YT	43	47.8	52.8	1.0	69.4	5.8	1.0		
SMAJ45A	SMAJ45CA	CV	YV	45	50.0	55.3	1.0	72.7	5.5	1.0		
SMAJ48A	SMAJ48CA	CX	YX	48	53.3	58.9	1.0	77.4	5.2	1.0		
SMAJ51A	SMAJ51CA	CZ	YZ	51	56.7	62.7	1.0	82.4	4.9	1.0		
SMAJ54A	SMAJ54CA	RE	ZE	54	60.0	66.3	1.0	87.1	4.6	1.0		
SMAJ58A	SMAJ58CA	RG	ZG	58	64.4	71.2	1.0	93.6	4.3	1.0		
SMAJ60A	SMAJ60CA	RK	ZK	60	66.7	73.7	1.0	96.8	4.1	1.0		
SMAJ64A	SMAJ64CA	RM	ZM	64	71.1	78.6	1.0	103.0	3.9	1.0		
SMAJ70A	SMAJ70CA	RP	ZP	70	77.8	86.0	1.0	113.0	3.5	1.0		
SMAJ75A	SMAJ75CA	RR	ZR	75	83.3	92.1	1.0	121.0	3.3	1.0		
SMAJ78A	SMAJ78CA	RT	ZV	78	86.7	95.8	1.0	126.0	3.2	1.0		
SMAJ85A	SMAJ85CA	RV	ZV	85	94.4	104	1.0	137.0	2.9	1.0		
SMAJ90A	SMAJ90CA	RX	ZX	90	100	111	1.0	146.0	2.7	1.0		
SMAJ100A	SMAJ100CA	RZ	ZZ	100	111	123	1.0	162.0	2.5	1.0		
SMAJ110A	SMAJ110CA	SE	VE	110	122	135	1.0	177.0	2.3	1.0		
SMAJ120A	SMAJ120CA	SG	VG	120	133	147	1.0	193.0	2.1	1.0		
SMAJ130A	SMAJ130CA	SK	VK	130	144	159	1.0	209.0	1.9	1.0		
SMAJ150A	SMAJ150CA	SM	VM	150	167	185	1.0	243.0	1.6	1.0		
SMAJ160A	SMAJ160CA	SP	VP	160	178	197	1.0	259.0	1.5	1.0		
SMAJ170A	SMAJ170CA	SR	VR	170	189	209	1.0	275.0	1.4	1.0		

Electrical characteristics apply in both directions for Bi-directional type. The I_p limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

400 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)	V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel		
P4SMAJ6.8A	P4SMAJ6.8CA	6V8A	6V8C	5.8	6.45	7.14	10	10.5	39	1000/2000		
P4SMAJ7.5A	P4SMAJ7.5CA	7V5A	7V5C	6.4	7.13	7.88	10	11.3	36.3	500/1000		
P4SMAJ8.2A	P4SMAJ8.2CA	8V2A	8V2C	7.02	7.79	8.61	10	12.1	33.9	200/400		
P4SMAJ9.1A	P4SMAJ9.1CA	9V1A	9V1C	7.78	8.65	9.55	1	13.4	30.6	50/100		
P4SMAJ10A	P4SMAJ10CA	10A	10C	8.55	9.5	10.5	1	14.5	28.3	10/20		
P4SMAJ11A	P4SMAJ11CA	11A	11C	9.4	10.5	11.6	1	15.6	26.3	5/10		
P4SMAJ12A	P4SMAJ12CA	12A	12C	10.2	11.4	12.6	1	16.7	24.6	5/10		
P4SMAJ13A	P4SMAJ13CA	13A	13C	11.1	12.4	13.7	1	18.2	22.5	5		
P4SMAJ15A	P4SMAJ15CA	15A	15C	12.8	14.3	15.8	1	21.2	19.3	5		
P4SMAJ16A	P4SMAJ16CA	16A	16C	13.6	15.2	16.8	1	22.5	18.2	5		
P4SMAJ18A	P4SMAJ18CA	18A	18C	15.3	17.1	18.9	1	25.5	16.1	5		
P4SMAJ20A	P4SMAJ20CA	20A	20C	17.1	19.0	21.0	1	27.7	14.8	5		
P4SMAJ22A	P4SMAJ22CA	22A	22C	18.8	20.9	23.1	1	30.6	13.4	5		
P4SMAJ24A	P4SMAJ24CA	24A	24C	20.5	22.8	25.2	1	33.2	12.3	5		
P4SMAJ27A	P4SMAJ27CA	27A	27C	23.1	25.7	28.4	1	37.5	10.9	5		
P4SMAJ30A	P4SMAJ30CA	30A	30C	25.6	28.5	31.5	1	41.4	9.9	5		
P4SMAJ33A	P4SMAJ33CA	33A	33C	28.2	31.4	34.7	1	45.7	9.0	5		
P4SMAJ36A	P4SMAJ36CA	36A	36C	30.8	34.2	37.8	1	49.9	8.2	5		
P4SMAJ39A	P4SMAJ39CA	39A	39C	33.3	37.1	41	1	53.9	7.6	5		
P4SMAJ43A	P4SMAJ43CA	43A	43C	36.8	40.9	45.2	1	59.3	6.9	5		
P4SMAJ47A	P4SMAJ47CA	47A	47C	40.2	44.7	49.4	1	64.8	6.3	5		
P4SMAJ51A	P4SMAJ51CA	51A	51C	43.6	48.5	53.6	1	70.1	5.8	5		
P4SMAJ56A	P4SMAJ56CA	56A	56C	47.8	53.2	58.8	1	77	5.3	5		
P4SMAJ62A	P4SMAJ62CA	62A	62C	53	58.9	65.1	1	85	4.8	5		
P4SMAJ68A	P4SMAJ68CA	68A	68C	58.1	64.6	71.4	1	92	4.5	5		
P4SMAJ75A	P4SMAJ75CA	75A	75C	64.1	71.3	78.8	1	103	4.0	5		
P4SMAJ82A	P4SMAJ82CA	82A	82C	70.1	77.9	86.1	1	113	3.6	5		
P4SMAJ91A	P4SMAJ91CA	91A	91C	77.8	86.5	95.5	1	125	3.3	5		
P4SMAJ100A	P4SMAJ100CA	100A	100C	85.5	95	105	1	137	3.0	5		
P4SMAJ110A	P4SMAJ110CA	110A	110C	94	105	116	1	152	2.7	5		
P4SMAJ120A	P4SMAJ120CA	120A	120C	102	114	126	1	165	2.5	5		
P4SMAJ130A	P4SMAJ130CA	130A	130C	111	124	137	1	179	2.3	5		
P4SMAJ150A	P4SMAJ150CA	150A	150C	128	143	158	1	207	2.0	5		
P4SMAJ160A	P4SMAJ160CA	160A	160C	136	152	168	1	219	1.9	5		
P4SMAJ170A	P4SMAJ170CA	170A	170C	145	162	179	1	234	1.8	5		
P4SMAJ180A	P4SMAJ180CA	180A	180C	154	171	189	1	246	1.7	5		
P4SMAJ200A	P4SMAJ200CA	200A	200C	171	190	210	1	274	1.5	5		
P4SMAJ220A	P4SMAJ220CA	220A	220C	185	209	231	1	328	1.3	5		
P4SMAJ250A	P4SMAJ250CA	250A	250C	214	237	263	1	334	1.2	5		



1800

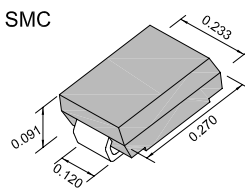
Electrical characteristics apply in both directions for Bi-directional type.
The I_D limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

600 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)		V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel	
SMBJ5.0A	SMBJ5.0CA	KE	AE	5.0	6.40	7.07	10.0	9.2	65.2	800/1600	750	
SMBJ6.0A	SMBJ6.0CA	KG	AG	6.0	6.67	7.37	10.0	10.3	58.3	800/1600		
SMBJ6.5A	SMBJ6.5CA	KK	AK	6.5	7.22	7.98	10.0	11.2	53.6	500/1000		
SMBJ7.0A	SMBJ7.0CA	KM	AM	7.0	7.78	8.60	10.0	12.0	50.0	200/400		
SMBJ7.5A	SMBJ7.5CA	KP	AP	7.5	8.33	9.21	1.0	12.9	46.5	100/200		
SMBJ8.0A	SMBJ8.0CA	KR	AR	8.0	8.89	9.83	1.0	13.6	44.1	50/100		
SMBJ8.5A	SMBJ8.5CA	KT	AT	8.5	9.44	10.4	1.0	14.4	41.7	20/40		
SMBJ9.0A	SMBJ9.0CA	KV	AV	9.0	10.0	11.1	1.0	15.4	39.0	5/10		
SMBJ10A	SMBJ10CA	KX	AX	10	11.1	12.3	1.0	17.0	35.3	5/10		
SMBJ11A	SMBJ11CA	KZ	AZ	11	12.2	13.5	1.0	18.2	33.0	5.0		
SMBJ12A	SMBJ12CA	LE	BE	12	13.3	14.7	1.0	19.9	30.2	5.0		
SMBJ13A	SMBJ13CA	LG	BG	13	14.4	15.9	1.0	21.5	27.9	1.0		
SMBJ14A	SMBJ14CA	LK	BK	14	15.6	17.2	1.0	23.2	25.9	1.0		
SMBJ15A	SMBJ15CA	LM	BM	15	16.7	18.5	1.0	24.4	24.6	1.0		
SMBJ16A	SMBJ16CA	LP	BP	16	17.8	19.7	1.0	26.0	23.1	1.0		
SMBJ17A	SMBJ17CA	LR	BR	17	18.9	20.9	1.0	27.6	21.7	1.0		
SMBJ18A	SMBJ18CA	LT	BT	18	20.0	22.1	1.0	29.2	20.5	1.0		
SMBJ20A	SMBJ20CA	LV	BV	20	22.2	24.5	1.0	32.4	18.5	1.0		
SMBJ22A	SMBJ22CA	LX	BX	22	24.4	26.9	1.0	35.5	16.9	1.0		
SMBJ24A	SMBJ24CA	LZ	BZ	24	26.7	29.5	1.0	38.9	15.4	1.0		
SMBJ26A	SMBJ26CA	ME	CE	26	28.9	31.9	1.0	42.1	14.3	1.0		
SMBJ28A	SMBJ28CA	MG	CG	28	31.1	34.4	1.0	45.4	13.2	1.0		
SMBJ30A	SMBJ30CA	MK	CK	30	33.3	36.8	1.0	48.4	12.4	1.0		
SMBJ33A	SMBJ33CA	MM	CM	33	36.7	40.6	1.0	53.3	11.3	1.0		
SMBJ36A	SMBJ36CA	MP	CP	36	40.0	44.2	1.0	58.1	10.3	1.0		
SMBJ40A	SMBJ40CA	MR	CR	40	44.4	49.1	1.0	64.5	9.3	1.0		
SMBJ43A	SMBJ43CA	MT	CT	43	47.8	52.8	1.0	69.4	8.6	1.0		
SMBJ45A	SMBJ45CA	MV	CV	45	50.0	55.3	1.0	72.7	8.3	1.0		
SMBJ48A	SMBJ48CA	MX	CX	48	53.3	58.9	1.0	77.4	7.8	1.0		
SMBJ51A	SMBJ51CA	MZ	CZ	51	56.7	62.7	1.0	82.4	7.3	1.0		
SMBJ54A	SMBJ54CA	NE	DE	54	60.0	66.3	1.0	87.1	6.9	1.0		
SMBJ58A	SMBJ58CA	NG	DG	58	64.4	71.2	1.0	93.6	6.4	1.0		
SMBJ60A	SMBJ60CA	NK	DK	60	66.7	73.7	1.0	96.8	6.2	1.0		
SMBJ64A	SMBJ64CA	NM	DM	64	71.1	78.6	1.0	103.0	5.8	1.0		
SMBJ70A	SMBJ70CA	NP	DP	70	77.8	86.0	1.0	113.0	5.3	1.0		
SMBJ75A	SMBJ75CA	NR	DR	75	83.3	92.1	1.0	121.0	5.0	1.0		
SMBJ78A	SMBJ78CA	NT	DT	78	86.7	95.8	1.0	126.0	4.8	1.0		
SMBJ85A	SMBJ85CA	NV	DV	85	94.4	104	1.0	137.0	4.4	1.0		
SMBJ90A	SMBJ90CA	NX	DX	90	100	111	1.0	146.0	4.1	1.0		
SMBJ110A	SMBJ110CA	PE	EE	110	122	135	1.0	177.0	3.4	1.0		
SMBJ120A	SMBJ120CA	PG	EG	120	133	147	1.0	193.0	3.1	1.0		
SMBJ130A	SMBJ130CA	PK	EK	130	144	159	1.0	209.0	2.9	1.0		
SMBJ150A	SMBJ150CA	PM	EM	150	167	185	1.0	243.0	2.5	1.0		
SMBJ160A	SMBJ160CA	PP	EP	160	178	197	1.0	259.0	2.3	1.0		
SMBJ170A	SMBJ170CA	PR	ER	170	189	209	1.0	275.0	2.2	1.0		

Electrical characteristics apply in both directions for Bi-directional type. The I_P limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

600 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)		V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel	
P6SMBJ6.8A	P6SMBJ6.8CA	6V8A	6V8C	5.8	6.45	7.14	10	10.5	58.1	1000/2000	750	
P6SMBJ7.5A	P6SMBJ7.5CA	7V5A	7V5C	6.4	7.13	7.88	10	11.3	54.0	500/1000		
P6SMBJ8.2A	P6SMBJ8.2CA	8V2A	8V2C	7.02	7.79	8.61	10	12.1	50.4	200/400		
P6SMBJ9.1A	P6SMBJ9.1CA	9V1A	9V1C	7.78	8.65	9.55	1	13.4	45.5	50/100		
P6SMBJ10A	P6SMBJ10CA	10A	10C	8.55	9.5	10.5	1	14.5	42.1	10/20		
P6SMBJ11A	P6SMBJ11CA	11A	11C	9.4	10.5	11.6	1	15.6	39.1	5/10		
P6SMBJ12A	P6SMBJ12CA	12A	12C	10.2	11.4	12.6	1	16.7	36.5	5/10		
P6SMBJ13A	P6SMBJ13CA	13A	13C	11.1	12.4	13.7	1	18.2	33.5	5		
P6SMBJ15A	P6SMBJ15CA	15A	15C	12.8	14.3	15.8	1	21.2	28.8	5		
P6SMBJ16A	P6SMBJ16CA	16A	16C	13.6	15.2	16.8	1	22.5	27.1	5		
P6SMBJ18A	P6SMBJ18CA	18A	18C	15.3	17.1	18.9	1	25.5	24.2	5		
P6SMBJ20A	P6SMBJ20CA	20A	20C	17.1	19	21	1	27.7	22.0	5		
P6SMBJ22A	P6SMBJ22CA	22A	22C	18.8	20.9	23.1	1	30.6	19.9	5		
P6SMBJ24A	P6SMBJ24CA	24A	24C	20.5	22.8	25.2	1	33.2	18.4	5		
P6SMBJ27A	P6SMBJ27CA	27A	27C	23.1	25.7	28.4	1	37.5	16.3	5		
P6SMBJ30A	P6SMBJ30CA	30A	30C	25.6	28.5	31.5	1	41.4	14.7	5		
P6SMBJ33A	P6SMBJ33CA	33A	33C	28.2	31.4	34.7	1	45.7	13.3	5		
P6SMBJ36A	P6SMBJ36CA	36A	36C	30.8	34.2	37.8	1	49.9	12.2	5		
P6SMBJ39A	P6SMBJ39CA	39A	39C	33.3	37.1	41	1	53.9	11.3	5		
P6SMBJ43A	P6SMBJ43CA	43A	43C	36.8	40.9	45.2	1	59.3	10.3	5		
P6SMBJ47A	P6SMBJ47CA	47A	47C	40.2	44.7	49.4	1	64.8	9.4	5		
P6SMBJ51A	P6SMBJ51CA	51A	51C	43.6	48.5	53.6	1	70.1	8.7	5		
P6SMBJ56A	P6SMBJ56CA	56A	56C	47.8	53.2	58.8	1	77	7.9	5		
P6SMBJ62A	P6SMBJ62CA	62A	62C	53	58.9	65.1	1	85	7.2	5		
P6SMBJ68A	P6SMBJ68CA	68A	68C	58.1	64.6	71.4	1	92	6.6	5		
P6SMBJ75A	P6SMBJ75CA	75A	75C	64.1	71.3	78.8	1	103	5.9	5		
P6SMBJ82A	P6SMBJ82CA	82A	82C	70.1	77.9	86.1	1	113	5.4	5		
P6SMBJ91A	P6SMBJ91CA	91A	91C	77.8	86.5	95.5	1	125	4.9	5		
P6SMBJ100A	P6SMBJ100CA	100A	100C	85.5	95	105	1	137	4.5	5		
P6SMBJ110A	P6SMBJ110CA	110A	110C	94	105	116	1	152	4.0	5		
P6SMBJ120A	P6SMBJ120CA	120A	120C	102	114	126	1	165	3.7	5		
P6SMBJ130A	P6SMBJ130CA	130A	130C	111	124	137	1	179	3.4	5		
P6SMBJ150A	P6SMBJ150CA	150A	150C	128	143	158	1	207	2.9	5		
P6SMBJ160A	P6SMBJ160CA	160A	160C	136	152	168	1	219	2.8	5		
P6SMBJ170A	P6SMBJ170CA	170A	170C	145	162	179	1	234	2.6	5		
P6SMBJ180A	P6SMBJ180CA	180A	180C	154	171	189	1	246	2.5	5		
P6SMBJ200A	P6SMBJ200CA	200A	200C	171	190	210	1	274	2.2	5		
P6SMBJ220A	P6SMBJ220CA	220A	220C	185	209	231	1	328	1.9	5		
P6SMBJ250A	P6SMBJ250CA	250A	250C	214	237	263	1	334	1.8	5		

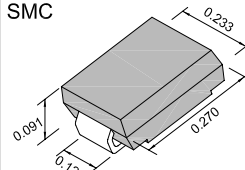
Electrical characteristics apply in both directions for Bi-directional type.
 The I_D limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

1500 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)		V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel	
SMCJ5.0A	SMCJ5.0CA	GDE	GDE	5.0	6.40	7.07	10.0	9.2	163.0	800/1600	SMC 850 	
SMCJ6.0A	SMCJ6.0CA	GDG	GDG	6.0	6.67	7.37	10.0	10.3	145.6	800/1600		
SMCJ6.5A	SMCJ6.5CA	GDK	BDK	6.5	7.22	7.98	10.0	11.2	133.9	500/1000		
SMCJ7.0A	SMCJ7.0CA	GDM	GDM	7.0	7.78	8.60	10.0	12.0	125.0	200/400		
SMCJ7.5A	SMCJ7.5CA	GDP	BDP	7.5	8.33	9.21	1.0	12.9	116.3	100/200		
SMCJ8.0A	SMCJ8.0CA	GDR	BDR	8.0	8.89	9.83	1.0	13.6	110.3	50/100		
SMCJ8.5A	SMCJ8.5CA	GDT	BDT	8.5	9.44	10.4	1.0	14.4	104.2	10/20		
SMCJ9.0A	SMCJ9.0CA	GDV	BDV	9.0	10.0	11.1	1.0	15.4	97.4	5/10		
SMCJ10A	SMCJ10CA	GDX	BDX	10	11.1	12.3	1.0	17.0	88.2	5/10		
SMCJ11A	SMCJ11CA	GDZ	GDZ	11	12.2	13.5	1.0	18.2	82.4	5.0		
SMCJ12A	SMCJ12CA	GEE	BEE	12	13.3	14.7	1.0	19.9	75.4	5.0		
SMCJ13A	SMCJ13CA	GEG	GEG	13	14.4	15.9	1.0	21.5	69.8	5.0		
SMCJ14A	SMCJ14CA	GEK	BEK	14	15.6	17.2	1.0	23.2	64.7	5.0		
SMCJ15A	SMCJ15CA	GEM	BEM	15	16.7	18.5	1.0	24.4	61.5	5.0		
SMCJ16A	SMCJ16CA	GEP	GEP	16	17.8	19.7	1.0	26.0	57.7	5.0		
SMCJ17A	SMCJ17CA	GER	GER	17	18.9	20.9	1.0	27.6	54.3	5.0		
SMCJ18A	SMCJ18CA	GET	BET	18	20.0	22.1	1.0	29.2	51.4	5.0		
SMCJ20A	SMCJ20CA	GEV	BEV	20	22.2	24.5	1.0	32.4	46.3	5.0		
SMCJ22A	SMCJ22CA	GEX	BEX	22	24.4	26.9	1.0	35.5	42.3	5.0		
SMCJ24A	SMCJ24CA	GEZ	BEZ	24	26.7	29.5	1.0	38.9	38.6	5.0		
SMCJ26A	SMCJ26CA	GFE	BFE	26	28.9	31.9	1.0	42.1	35.6	5.0		
SMCJ28A	SMCJ28CA	GFG	BFG	28	31.1	34.4	1.0	45.4	33.0	5.0		
SMCJ30A	SMCJ30CA	GFK	BFK	30	33.3	36.8	1.0	48.4	31.0	5.0		
SMCJ33A	SMCJ33CA	GFM	BFM	33	36.7	40.6	1.0	53.3	28.1	5.0		
SMCJ36A	SMCJ36CA	GFP	BFP	36	40.0	44.2	1.0	58.1	25.8	5.0		
SMCJ40A	SMCJ40CA	GFR	BFR	40	44.4	49.1	1.0	64.5	23.3	5.0		
SMCJ43A	SMCJ43CA	GFT	BFT	43	47.8	52.8	1.0	69.4	21.6	5.0		
SMCJ45A	SMCJ45CA	GFV	GFV	45	50.0	55.3	1.0	72.7	20.6	5.0		
SMCJ48A	SMCJ48CA	GFX	GFX	48	53.3	58.9	1.0	77.4	19.4	5.0		
SMCJ51A	SMCJ51CA	GFZ	GFZ	51	56.7	62.7	1.0	82.4	18.2	5.0		
SMCJ54A	SMCJ54CA	GGE	GGE	54	60.0	66.3	1.0	87.1	17.2	5.0		
SMCJ58A	SMCJ58CA	GGG	GGG	58	64.4	71.2	1.0	93.6	16.0	5.0		
SMCJ60A	SMCJ60CA	GGK	GGK	60	66.7	73.7	1.0	96.8	15.5	5.0		
SMCJ64A	SMCJ64CA	GGM	GGM	64	71.1	78.6	1.0	103.0	14.6	5.0		
SMCJ70A	SMCJ70CA	GGP	GGP	70	77.8	86.0	1.0	113.0	13.3	5.0		
SMCJ75A	SMCJ75CA	GGR	GGR	75	83.3	92.1	1.0	121.0	12.4	5.0		
SMCJ78A	SMCJ78CA	GGT	GGT	78	86.7	95.8	1.0	126.0	11.9	5.0		
SMCJ85A	SMCJ85CA	GGV	GGV	85	94.4	104	1.0	137.0	10.9	5.0		
SMCJ90A	SMCJ90CA	GGX	GGX	90	100	111	1.0	146.0	10.3	5.0		
SMCJ100A	SMCJ100CA	GGZ	GGZ	100	111	123	1.0	162.0	9.3	5.0		
SMCJ110A	SMCJ110CA	GHE	GHE	110	122	135	1.0	177.0	8.5	5.0		
SMCJ120A	SMCJ120CA	GHG	GHG	120	133	147	1.0	193.0	7.8	5.0		
SMCJ130A	SMCJ130CA	GHK	GHK	130	144	159	1.0	209.0	7.2	5.0		
SMCJ150A	SMCJ150CA	GHM	GHM	150	167	185	1.0	243.0	6.2	5.0		
SMCJ160A	SMCJ160CA	GHP	GHP	160	178	197	1.0	259.0	5.8	5.0		
SMCJ170A	SMCJ170CA	GHR	GHR	170	189	209	1.0	275.0	5.5	5.0		

Electrical characteristics apply in both directions for Bi-directional type.
The I_p limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

1500 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)		V _C (V)	I _{PPM} (A)	I _D (μA)	7" Reel	
1.5SMCJ6.8A	1.5SMCJ6.8CA	6V8A	6V8C	5.8	6.45	7.14	10	10.5	144.8	1000/2000	850	
1.5SMCJ7.5A	1.5SMCJ7.5CA	7V5A	7V5C	6.4	7.13	7.88	10	11.3	134.5	500/1000		
1.5SMCJ8.2A	1.5SMCJ8.2CA	8V2A	8V2C	7.02	7.79	8.61	10	12.1	125.6	200/400		
1.5SMCJ9.1A	1.5SMCJ9.1CA	9V1A	9V1C	7.78	8.65	9.55	1	13.4	113.4	50/100		
1.5SMCJ10A	1.5SMCJ10CA	10A	10C	8.55	9.5	10.5	1	14.5	104.8	10/20		
1.5SMCJ11A	1.5SMCJ11CA	11A	11C	9.4	10.5	11.6	1	15.6	97.4	5/10		
1.5SMCJ12A	1.5SMCJ12CA	12A	12C	10.2	11.4	12.6	1	16.7	91.0	5/10		
1.5SMCJ13A	1.5SMCJ13CA	13A	13C	11.1	12.4	13.7	1	18.2	83.5	5		
1.5SMCJ15A	1.5SMCJ15CA	15A	15C	12.8	14.3	15.8	1	21.2	71.7	5		
1.5SMCJ16A	1.5SMCJ16CA	16A	16C	13.6	15.2	16.8	1	22.5	67.6	5		
1.5SMCJ18A	1.5SMCJ18CA	18A	18C	15.3	17.1	18.9	1	25.5	60.3	5		
1.5SMCJ20A	1.5SMCJ20CA	20A	20C	17.1	19	21	1	27.7	54.9	5		
1.5SMCJ22A	1.5SMCJ22CA	22A	22C	18.8	20.9	23.1	1	30.6	49.7	5		
1.5SMCJ24A	1.5SMCJ24CA	24A	24C	20.5	22.8	25.2	1	33.2	45.8	5		
1.5SMCJ27A	1.5SMCJ27CA	27A	27C	23.1	25.7	28.4	1	37.5	40.5	5		
1.5SMCJ30A	1.5SMCJ30CA	30A	30C	25.6	28.5	31.5	1	41.4	36.7	5		
1.5SMCJ33A	1.5SMCJ33CA	33A	33C	28.2	31.4	34.7	1	45.7	33.3	5		
1.5SMCJ36A	1.5SMCJ36CA	36A	36C	30.8	34.2	37.8	1	49.9	30.5	5		
1.5SMCJ39A	1.5SMCJ39CA	39A	39C	33.3	37.1	41	1	53.9	28.2	5		
1.5SMCJ43A	1.5SMCJ43CA	43A	43C	36.8	40.9	45.2	1	59.3	25.6	5		
1.5SMCJ47A	1.5SMCJ47CA	47A	47C	40.2	44.7	49.4	1	64.8	23.5	5		
1.5SMCJ51A	1.5SMCJ51CA	51A	51C	43.6	48.5	53.6	1	70.1	21.7	5		
1.5SMCJ56A	1.5SMCJ56CA	56A	56C	47.8	53.2	58.8	1	77	19.7	5		
1.5SMCJ62A	1.5SMCJ62CA	62A	62C	53	58.9	65.1	1	85	17.9	5		
1.5SMCJ68A	1.5SMCJ68CA	68A	68C	58.1	64.6	71.4	1	92	16.5	5		
1.5SMCJ75A	1.5SMCJ75CA	75A	75C	64.1	71.3	78.8	1	103	14.8	5		
1.5SMCJ82A	1.5SMCJ82CA	82A	82C	70.1	77.9	86.1	1	113	13.5	5		
1.5SMCJ91A	1.5SMCJ91CA	91A	91C	77.8	86.5	95.5	1	125	12.2	5		
1.5SMCJ100A	1.5SMCJ100CA	100A	100C	85.5	95	105	1	137	11.1	5		
1.5SMCJ110A	1.5SMCJ110CA	110A	110C	94	105	116	1	152	10.0	5		
1.5SMCJ120A	1.5SMCJ120CA	120A	120C	102	114	126	1	165	9.2	5		
1.5SMCJ130A	1.5SMCJ130CA	130A	130C	111	124	137	1	179	8.5	5		
1.5SMCJ150A	1.5SMCJ150CA	150A	150C	128	143	158	1	207	7.3	5		
1.5SMCJ160A	1.5SMCJ160CA	160A	160C	136	152	168	1	219	6.9	5		
1.5SMCJ170A	1.5SMCJ170CA	170A	170C	145	162	179	1	234	6.5	5		
1.5SMCJ180A	1.5SMCJ180CA	180A	180C	154	171	189	1	246	6.2	5		
1.5SMCJ200A	1.5SMCJ200CA	200A	200C	171	190	210	1	274	5.5	5		
1.5SMCJ220A	1.5SMCJ220CA	220A	220C	185	209	231	1	328	4.6	5		
1.5SMCJ250A	1.5SMCJ250CA	250A	250C	214	237	263	1	334	4.4	5		

Electrical characteristics apply in both directions for Bi-directional type.
The I_D limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

3000 W		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @ Test Current			Max. Clamping Voltage @ I _{PPM}	Max. Peak Pulse Current	Max. Reverse Leakage @ V _{WM}	Package	Outline (Typ. in Inches)
Part No.					Min.	Max.	I _T (mA)					
Uni-Polar	Bi-Polar	Uni	Bi	V _{WM} (V)	V _{BR} (V)	V _{BR} (V)		V _C (V)	I _{PPM} (A)	I ₀ (μA)	7" Reel	
3.0SMCJ5.0A	3.0SMCJ5.0CA	HDE	IDE	5.0	6.4	7.25	10	9.2	326	800/1600	850	
3.0SMCJ6.0A	3.0SMCJ6.0CA	HDG	IDG	6.0	6.67	7.67	10	10.3	291.3	800/1600		
3.0SMCJ6.5A	3.0SMCJ6.5CA	HDK	IDK	6.5	7.22	8.30	10	11.2	267.9	500/1000		
3.0SMCJ7.0A	3.0SMCJ7.0CA	HDM	IDM	7.0	7.78	8.95	10	12.0	250	200/400		
3.0SMCJ7.5A	3.0SMCJ7.5CA	HDP	IDP	7.5	8.33	9.60	1	12.9	232.6	100/200		
3.0SMCJ8.0A	3.0SMCJ8.0CA	HDR	IDR	8.0	8.89	10.23	1	13.6	220.6	50/100		
3.0SMCJ8.5A	3.0SMCJ8.5CA	HDT	IDT	8.5	9.44	10.82	1	14.4	208.4	10/20		
3.0SMCJ9.0A	3.0SMCJ9.0CA	HDV	IDV	9.0	10.0	11.5	1	15.4	194.8	5/10		
3.0SMCJ10A	3.0SMCJ10CA	HDX	IDX	10	11.1	12.8	1	17.0	176.4	5/10		
3.0SMCJ11A	3.0SMCJ11CA	HDZ	IDZ	11	12.2	14.0	1	18.2	184.8	5		
3.0SMCJ12A	3.0SMCJ12CA	HEE	IEE	12	13.3	15.3	1	19.9	150.6	5		
3.0SMCJ13A	3.0SMCJ13CA	HEG	IEG	13	14.4	16.5	1	21.5	139.4	5		
3.0SMCJ14A	3.0SMCJ14CA	HEK	IEK	14	15.6	17.9	1	23.2	129.4	5		
3.0SMCJ15A	3.0SMCJ15CA	HEM	IEM	15	16.7	19.2	1	24.4	123	5		
3.0SMCJ16A	3.0SMCJ16CA	HEP	IEP	16	17.8	20.5	1	26.0	115.4	5		
3.0SMCJ17A	3.0SMCJ17CA	HER	IER	17	18.9	21.7	1	27.6	106.6	5		
3.0SMCJ18A	3.0SMCJ18CA	HET	IET	18	20.0	23.3	1	29.2	102.8	5		
3.0SMCJ20A	3.0SMCJ20CA	HEV	IEV	20	22.2	25.5	1	32.4	92.6	5		
3.0SMCJ22A	3.0SMCJ22CA	HEX	IEX	22	24.4	28.0	1	35.5	84.8	5		
3.0SMCJ24A	3.0SMCJ24CA	HEZ	IEZ	24	26.7	30.7	1	38.9	77.2	5		
3.0SMCJ26A	3.0SMCJ26CA	HFE	IFE	26	28.9	33.2	1	42.1	71.2	5		
3.0SMCJ28A	3.0SMCJ28CA	HFG	IFG	28	31.1	35.8	1	45.4	66.0	5		
3.0SMCJ30A	3.0SMCJ30CA	HFK	IFK	30	33.3	38.3	1	48.4	62.0	5		
3.0SMCJ33A	3.0SMCJ33CA	HFM	IFM	33	36.7	42.2	1	53.3	56.2	5		
3.0SMCJ36A	3.0SMCJ36CA	HFP	IFP	36	40.0	46.0	1	61.5	51.6	5		
3.0SMCJ40A	3.0SMCJ40CA	HFR	IFR	40	44.4	51.1	1	64.5	46.4	5		
3.0SMCJ43A	3.0SMCJ43CA	HFT	IFT	43	47.8	54.9	1	69.4	43.2	5		
3.0SMCJ45A	3.0SMCJ45CA	HFV	IFV	45	50.0	57.5	1	72.7	41.2	5		
3.0SMCJ48A	3.0SMCJ48CA	HFX	IFX	48	53.3	61.3	1	77.4	38.8	5		
3.0SMCJ51A	3.0SMCJ51CA	HFZ	IFZ	51	56.7	65.2	1	82.4	36.4	5		
3.0SMCJ54A	3.0SMCJ54CA	HGE	IGE	54	60.0	69.0	1	87.1	34.4	5		
3.0SMCJ58A	3.0SMCJ58CA	HGG	IGG	58	64.4	74.1	1	93.6	32.0	5		
3.0SMCJ60A	3.0SMCJ60CA	HGK	IGK	60	66.7	76.7	1	96.8	31.0	5		
3.0SMCJ64A	3.0SMCJ64CA	HGM	IGM	64	71.1	81.8	1	103	29.2	5		
3.0SMCJ70A	3.0SMCJ70CA	HGP	IGP	70	77.8	89.5	1	113	26.6	5		
3.0SMCJ75A	3.0SMCJ75CA	HGR	IGR	75	83.3	95.8	1	121	24.8	5		
3.0SMCJ78A	3.0SMCJ78CA	HGT	IGT	78	86.7	99.7	1	126	22.8	5		
3.0SMCJ85A	3.0SMCJ85CA	HGV	IGV	85	94.4	108.2	1	137	20.8	5		
3.0SMCJ90A	3.0SMCJ90CA	HGX	IGX	90	100	115.5	1	146	20.6	5		
3.0SMCJ100A	3.0SMCJ100CA	HGZ	IGZ	100	111	128	1	162	18.6	5		
3.0SMCJ110A	3.0SMCJ110CA	HHE	IHE	110	122	140.5	1	177	16.8	5		
3.0SMCJ120A	3.0SMCJ120CA	HHG	IHG	120	133	153	1	193	15.6	5		
3.0SMCJ130A	3.0SMCJ130CA	HHK	IHK	130	144	165.5	1	209	14.4	5		
3.0SMCJ150A	3.0SMCJ150CA	HHM	IHM	150	167	192.5	1	243	12.4	5		
3.0SMCJ160A	3.0SMCJ160CA	HHP	IHP	160	178	205	1	259	11.6	5		
3.0SMCJ170A	3.0SMCJ170CA	HHR	IHR	170	189	217.5	1	275	11.0	5		
3.0SMCJ180A	3.0SMCJ180CA	HHT	IHT	180	198	230.4	1	292	10.3	5		
3.0SMCJ190A	3.0SMCJ190CA	HHV	IHV	190	209	243.2	1	308	9.7	5		
3.0SMCJ200A	3.0SMCJ200CA	HHX	IHX	200	220	256	1	324	9.3	5		
3.0SMCJ210A	3.0SMCJ210CA	HHZ	IHZ	210	231	268.8	1	340	8.8	5		
3.0SMCJ220A	3.0SMCJ220CA	HIE	IIE	220	242	281.6	1	356	8.4	5		

Electrical characteristics apply in both directions for Bi-directional type. The I_p limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

Schottky Barrier Diodes (Multiple Terminals)

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Max. Forward Voltage @ I _F		Max. Reverse Current @ V _R		Pinout Fig.	Package	Outline (Typ. in Inches)
		I _o (AV) (mA)	V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)		7"Reel	
BAT54TWS BAT54ADWS BAT54CDWS BAT54SDWS	L4 L42 L43 L44	200	30	0.32/1	1/100	2	25	4 2 1 1 5	3000	SOT-363 (0805)
BAS40TWS BAS40ADWS BAS40CDWS BAS40SDWS	S40 S42 S43 S44		40	0.38/0.5/1	1/10/40	1	25	4 2 1 5		
BAS70TWS BAS70ADWS BAS70CDWS BAS70SDWS	A70 A72 A73 A74		70	0.41/0.75/1	1/10/15	0.1/10	50/70	4 2 1 5		
TST0051C-331F5 TST0073C-732F5	UW UZ	50 70	15 30	0.5 0.55	50 70	20 5	10 15	4 4	4000	F5T (0503)
TST0051C-331WT TST0073C-732WT TST011C-378WT	UW UZ X3	50 70 100	15 30 10	0.5 0.55 0.5	50 70 100	20 5 20	10 15 10	4 4 4	3000	SOT-523 (0603)
TST0073S-731WS TST0073S-732WS	UX UZ	100	30 30	0.55 0.55	70 70	5 5	15 15	3 4	3000	SOT-323 (0805)
TST011C-378WS TST014C-393WS TST015-105WS	X3 R9 DL		10 40 50	0.50 0.60 0.55	100 100 100	20 5 10	10 10 25	4 4 1		
TST022-717WS TST022A-717WS TST022C-717WS TST022S-717WS	P70 P72 P73 P74		20	0.37	1	1	10	1 5 4 3		
BAT54WS BAT54AWS BAT54CWS BAT54SWS	L4 L42 L43 L44	200	30	0.32/1	1/100	2	25	1 5 4 3	3000	
BAT40WS BAT40AWS BAT40CWS BAT40SWS	S4 S42 S43 S44		40	0.38/0.5/1	1/10/40	1	25	1 5 4 3		
BAT70WS BAT70AWS BAT70CWS BAT70SWS	A70 A72 A73 A74		70	0.41/0.75/1	1/10/15	0.1/10	50/70	1 5 4 3		
TST052WS TST054-411WS	B1 U3	500	25 40	0.49 0.50	700 500	200 30	20 10	1 1		

Schottky Barrier Diodes (Multiple Terminals)

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Max. Forward Voltage @ I _F		Max. Reverse Current @ V _R		Pinout Fig.	Package	Outline (Typ. in Inches)
		I _o (AV) (mA)	V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)		7"Reel	
TST073S-731W	UX	70	30	0.55	70	5	15	3	3000	
BAR43	D95	100	30	1.0	100	0.5	25	1		
BAR43A	DB1							5		
BAR43C	DB2							4		
BAR43S	DA5							3		
BAT54	L4	200	30	0.32/1.0	1.0/100	2.0	25	1		
BAT54A	L42							5		
BAT54C	L43							4		
BAT54S	L44							3		
BAS40	S40	200	40	0.38/0.5/1	1/10/40	1.0	25	1		
BAS40A	S42							5		
BAS40C	S43							4		
BAS40S	S44							3		
BAS70	A70	70	70	0.41/0.75/1.0	1.0/10/15	0.1/10	50/70	1		
BAS70A	A72							5		
BAS70C	A73							4		
BAS70S	A74							3		
TST052-411W	U3	500	20	0.5	500	30	10	1		
TST054-400W	DJ		40	0.55	500	50	25			
TST054L-400W	KSJ		40	0.3/0.5	10/500	30/50	10/30			
TST055-505W	DM		50	0.55	500	20	25			
TST073-701W	DK	700	30	0.55	700	80	30			
TST11-511W	T1	1000	15	0.4	1000	500	10	1	3000	
TST12-521W	T2		20	0.45		200	20			
TST13-531W	T3		30	0.47		500	15			

Schottky Barrier Diodes (Two Terminals)

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Max. Forward Voltage @ I _F		Max. Reverse Current @ V _R		Package	Outline (Typ. in Inches)
		I _o (AV) (mA)	V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)	7"Reel	
TSD013-730F3	Q	100	30	0.45	10	0.5	10	5000	
TSD013L-720F3	R		30	0.35	10	10	10		
TSD013-730WU	SA	100	30	0.45	10	0.5	10	5000	
TSD013L-720WU	SB	100	30	0.35	10	10	10		
TSD023-54WU	BA	200	30	0.32/1	1/100	2	25		
TSD024-40WU	BD	200	40	0.38/0.5/1	1/10/40	1	25		
TSD034-751WU	BC	300	40	0.37	1	0.5	30		

Schottky Barrier Diodes (Two Terminals)

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Max. Forward Voltage @ I_F		Max. Reverse Current @ V_R		Package	Outline (Typ. in Inches)		
		$I_{O(AV)}$ (mA)	$V_{RRM}(V)$	$V_F(V)$	$I_F(mA)$	$I_R(\mu A)$	$V_R(V)$	7"Reel			
TSD0033-728WT	UT	30	30	0.55	30	300	30	3000	<p>SOD-523 (0603)</p>		
TSD0034-377WT	UV		40	0.55	30	20	40				
TSD0052-552WT	S1	50	25	0.38	5	0.45	20				
TSD011-367WT	US	100	15	0.50	100	20	10				
TSD012-368WT	U4		20	0.50	100	20	10				
TSD013-521WT	21		30	0.35	10	10	10				
TSD023L-720WT	UB	200	30	0.50	200	30	10			3000	<p>SOD-323 (0805)</p>
TSD023-730WT	EB		30	0.60	200	1	10				
TSD023-54WT	L4		30	0.32/1	1/100	2.0	25				
TSD023-520WT	20		30	0.6	200	1	10				
TSD024-40WT	40		40	0.38/0.5/1	1.0/10/400	1	25				
TSD027-70WT	70		70	0.41/0.75/1	1.0/10/15	0.1/10	50/70				
TSD034-751WT	51		300	40	0.37	1.0	0.5	30			
TSD0034-377WS	UV		30	40	0.55	30	20	40			
TSD014-357WS	UL	100	45	0.55	100	5	40				
TSD014-500WS	500		45	0.45	10	1	10				
TSD014-501WS	501		45	0.34/0.55	10/100	30	10				
TSD022-717WS	P70	200	20	0.37	1.0	1	10	3000	<p>SOD-323 (0805)</p>		
TSD023-729WS	UM		30	0.55	200	50	30				
TSD023-107WS	S9		30	0.36/0.8	2/100	1	25				
TSD023-42WS	L2		30	0.4/1	10/200	0.5	30				
TSD023-43WS	L3		30	0.33/1	2/200	0.5	30				
TSD023-54WS	L4		30	0.32/1	1/100	2	25				
TSD024-40WS	S40		40	0.38/0.5/1	1/10/40	1	25				
TSD027-70WS	A70		70	0.41/0.75/1	1/10/15	0.1/10	50/70				
TSD034-751WS	P60		300	40	0.37	1.0	0.5			30	
SD103CWS	S8		350	20	0.37/0.6	20/200	5			10	
SD103BWS	S7	30		20							
SD103AWS	S6	40		30							
SD101CWS	S4	350	40	0.39/0.9	1/15	0.2	30				
SD101BWS	S3		50	40							
SD101AWS	S2		60	50							
TSD032-103WS	S8	350	20	0.37/0.6	20/200	5	10				
TSD033-103WS	S7		30				20				
TSD034-103WS	S6		40	30							
TSD034-101WS	S4	350	40	0.39/0.9	1/15	0.2	30				
TSD035-101WS	S3		50	40							
TSD036-101WS	S2		60	50							
TSD053-551WS	551	500	30	0.36/0.47	100/500	100	20				
TSD054-412WS	U3		40	0.5	500	30	10				

Schottky Barrier Diodes (Two Terminals)

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Max. Forward Voltage @ I _F		Max. Reverse Current @ V _R		Package	Outline (Typ. in Inches)
		I _O (AV) (mA)	V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)	7"Reel	
BAT42W	L2	200	30	0.4/0.65/1	10/50/200	0.5	25	3000	<p>SOD-123 (1206)</p>
BAT43W	L3		30	0.33/0.45/1	2/15/200	0.5	25		
BAT54W	L4	200	30	0.24/0.32/0.4/0.5/1	0.1/1/10/30/100	2	25		
SD103CW	S8	350	20	0.37/0.6	20/200	5	10		
SD103BW	S7		30				20		
SD103AW	S6		40	30					
SD101CW	S4		40	0.39/0.9	1/15	0.2	30		
SD101BW	S3		50	0.4/0.95			40		
SD101AW	S2		60	0.41/1			50		
MBR0520	B2	500(90°C)	20	0.3/0.385	100/500	75	10		
MBR0530	B3	500(100°C)	30	0.375/0.43	100/500	20	15		
MBR0540	B4	500(115°C)	40	0.51/0.62	500/1000	10	20		
TSD052W	B2	500	20	0.3/0.385	100/500	75	10		
TSD053W	B3		30	0.375/0.43	100/500	20	15		
TSD054W	B4		40	0.51/0.62	500/1000	10	20		
TSD14W	G5	1000	40	0.55	1000	500	40		
LL41	-	100	100	0.45/1	1/200	0.1	50	2500	<p>miniMELF (1206)</p>
LL46	-	150	100	0.25/0.45/1	0.1/10/250	0.5/0.8/2/5	1.5/10/50/75		
LL42	-	200	30	0.4/0.65/1	10/50/200	0.5	25		
LL43	-			0.33/0.45/1	2/15/200	0.5	25		
BAS85	-	-	-	0.24/0.32/0.4/0.8	0.1/1/10/100	2	25		
LL48	-	350	40	0.25/0.3/0.4/0.5/0.75/0.9	0.1/1/10/50/200/500	2/5/25	10/20/40		
LL5711	-	-	70	0.41/1	1/15	0.2	50		
LL6263	-	-	60	0.41/1	1/15	0.2	50		
LL103C	-	350	20	0.37/0.6	20/200	5	30		
LL103B	-		30				30		
LL103A	-		40	30					
LL101C	-		40	0.39/0.9	1/15	0.2	50		
LL101B	-		50	0.4/0.95					
LL101A	-		60	0.41/1					
SGL34-20	-	1000	20	0.5	1000	500	20		
SGL34-30	-		30	0.5			30		
SGL34-40	-		40	0.55			40		
SGL34-50	-		50	0.6			50		
SGL34-60	-		60	0.7			60		

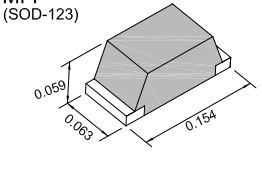
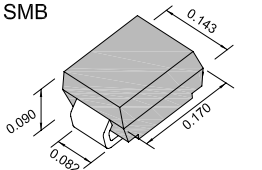
Surface Mount Schottky Rectifiers

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (mA)		
TSFB13L TSFB13 TSFB14	BB A3 BA	1.0 A	30	22	0.39(Typ.)	1.0	3000/-	P8D (0805)
			30	5	0.47	0.2		
			45	5	0.47	0.2		
TSMF13L TSMF13 TSMF14	13L B13 B14	1.0 A	30	22	0.36	1.0	3000/-	SMF (SOD-123)
			30		0.42	0.05		
			40		0.50	1.0		
MFPS5817 MFPS2S MFPS3S MFPS4S MFPS5S MFPS6S MFPS8S MFPS10S	5817 S2 S3 S4 S5 S6 S8 S10	1.0 A	20	30	0.45	0.5	2500/-	MFP (SOD-123)
			20		0.50			
			30		0.50			
			40		0.50			
			50		0.70			
			60		0.70			
			80		0.85			
			100		0.85			
MLL5817 MLL5818 MLL5819 SGL41-20 SGL41-30 SGL41-40 SGL41-60	- - - - - - -	1.0 A	20	25	0.45	1.0	1500/-	MELF
			30		0.55			
			40		0.60			
			20		0.45			
			30		0.55			
			40		0.60			
			60		0.70			
SS12 SS13 SS14 SS15 SS16 SS19 SS110	S2 S3 S4 S5 S6 S9 S10	1.0 A	20	40	0.50	0.5	1800/7500	SMA
			30		0.50			
			40		0.50			
			50		0.75			
			60		0.75			
			90		0.85			
			100		0.85			
SMA5817 SMA5818 SMA5819	5817 5818 5819	1.0 A	20	25	0.45	1.0		
			30		0.55			
			40		0.60			
SL12 SL13	L2 L3	1.0 A	20	50	0.445	0.2		
			30		0.445			
TSA13 TSA14 TSA16 TSA110	B13 B14 B16 B110	1.0 A	30	40	0.42	1.0	2000/5000	
			40		0.50			
			60		0.58			
			100		0.80			
SS12B SS13B SS14B SS15B SS16B	S2 S3 S4 S5 S6	1.0 A	20	30	0.50	0.5	750/3200	SMB
			30		0.50			
			40		0.50			
			50		0.70			
			60		0.70			

Surface Mount Schottky Rectifiers

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (mA)	7"/13" Reel	
TSMF23L	23L	1.5 A	30	33	0.36	1.0	3000/-	SMF (SOD-123) 
TSMF23	B23	2.0 A	30		0.42			
MFPS22S	S22	2.0 A	20	50	0.50	0.5	2500/-	MFP (SOD-123) 
MFPS23S	S23		30		0.50			
MFPS24S	S24		40		0.50			
MFPS25S	S25		50		0.70			
MFPS26S	S26		60		0.70			
MFPS28S	S28		80		0.85			
MFPS210S	S210		100		0.85			
SS22A	S22		20		50			
SS23A	S23	30	0.50					
SS24A	S24	40	0.50					
SS25A	S25	50	0.70					
SS26A	S26	60	0.70					
SS29A	S29	90	0.79					
SS210A	S210	100	0.79					
SS22	S2	2.0 A	20	50		0.50	0.5	750/3200
SS23	S3		30		0.50			
SS24	S4		40		0.50			
SS25	S5		50		0.70			
SS26	S6		60		0.70			
SS29	S9		90		0.79			
SS210	S10		100		0.79			
SL22	L2		20		60	0.44		
SL23	L3	30						
TSB24	B24	40	50	0.50	0.5			
TSB26	B26	60						
SS32A	S32	3.0 A	20	80	0.50	0.5	1800/7500	SMA 
SS33A	S33		30		0.50			
SS34A	S34		40		0.50			
SS35A	S35		50		0.75			
SS36A	S36		60		0.75			
SS38A	S38		80		0.85			
SS39A	S39		90		0.85			
SS310A	S310		100		0.85			
TSA33	B33	30	70	0.45	2.0	2000/5000		
TSA33L	B33L	30		0.36				
TSA34	B34	40		0.52				
TSA36	B36	60		0.60				
SS32B	S32	3.0 A	20	80	0.50	0.5	750/3200	SMB 
SS33B	S33		30		0.50			
SS34B	S34		40		0.50			
SS35B	S35		50		0.75			
SS36B	S36		60		0.75			
SS38B	S38		80		0.85			
SS39B	SS39		90		0.85			
TSB34	B34		40					
TSB36	B36	60		0.70				

Surface Mount Schottky Rectifiers

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (mA)		
SS32	S2	3.0 A	20	100	0.50	0.5	850/3500	
SS33	S3							
SS34	S4							
SS35	S5							
SS36	S6							
SS38	S8							
SS39	S9							
SS310	S10							
SS52	S52							
SS53	S53							
SS54	S54	5.0 A	40	100	0.50	0.5		
SS55	S55							
SS56	S56							
SS58	S58							
SS59	S59							
SS510	S510							
SS515	S515							
SS515	S515							

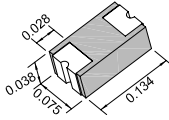
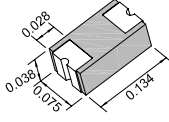
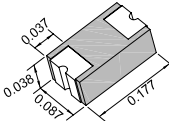
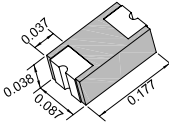
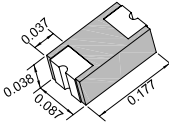
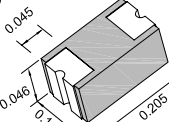
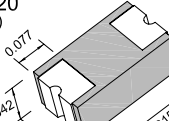
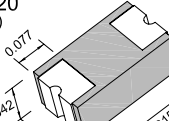
Low Profile Chip Type Schottky Rectifier

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)			
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)					
TSCD012WU	-	100mA	20	0.5	0.35@ 0.01 A	0.5	3000/-				
TSCD014WU	-		40	0.5	0.35@ 0.01 A	0.5 @30V					
TSCD012WT	2F	100mA	20	2.0	0.40	50	3000/-				
TSCD014WT	4F		40		0.40	50					
TSCD022WT	2D	200mA	20		0.45	50					
TSCD024WT	4D		40		0.45	50					
TSCD024WTR	4D1		40		0.45	1					
TSCD032WT	2C	300mA	20		0.50	50					
TSCD034WT	4C		40		0.50	50					
TSCD012WS	F2	100mA	20		2.0	0.45			30	3000/-	
TSCD014WS	F4		40			0.50			30		
TSCD022WS	D2	200mA	20			0.45			50		
TSCD024WS	D4		40	0.50		50					
TSCD032WS	C2		20	0.50		50					
TSCD034WS	C4	300mA	40	0.50		50					
TSCD052WS	B2	500mA	20	5.0		0.44	100				
TSCD053WS	B3		30			0.46					
TSCD054WS	B4		40			0.48					
TSCD12WS	A2	1.0 A	20	10		0.45	200				
TSCD14WS	A4		40		0.50						
TSCD16WS	A6		60		0.65						

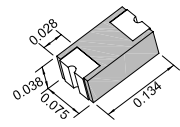
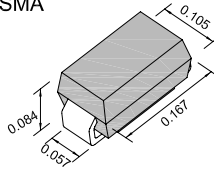
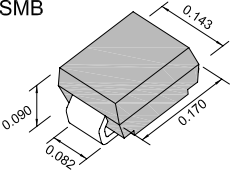
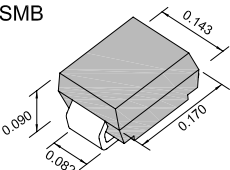
Low Profile Chip Type Schottky Rectifier

SMD Schottky

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)		
TSCD052W	B2	500mA	20	15	0.42	20	3000/-	C1206 (SOD-123) 
TSCD054W	B4		40	15	0.48	20		
TSCD0520	B2	500mA(90°C)	20		0.385	250		
TSCD0530	B3	500mA(100°C)	30	5.5	0.43	130		
TSCD0540	B4	500mA(115°C)	40		0.51	20		
TSCD12W	A2	1.0 A	20	20	0.50	200		
TSCD14W	A4		40		0.50			
TSCD16W	A6		60		0.70			
TSCD110W	A10		100		0.85			
TSCD22W	L2	2.0 A	20	40	0.50	200	3000/-	C1206 (SOD-123) 
TSCD24W	L4		40		0.50			
TSCD26W	L6		60		0.70			
TSCD210W	L10		100		0.85			
TSCDA12L	S12L	1.0 A	20	30	0.36	1000	3000/-	C2010 (SMA) 
TSCDA14L	S14L		40		0.38			
TSCDA16L	S16L		60		0.50			
TSCDA12	S12		20		0.50	200		
TSCDA14	S14		40		0.50			
TSCDA16	S16		60		0.70			
TSCDA110	S110		100		0.85			
TSCDA5817	5817	20	0.45	500				
TSCDA5818	5818	30	0.55					
TSCDA5819	5819	40	0.60					
TSCDA22L	S22L	2.0 A	20	50	0.40	1000	3000/-	C2010 (SMA) 
TSCDA24L	S24L		40		0.40			
TSCDA22	S22		20		0.50			
TSCDA24	S24		40		0.50	200		
TSCDA26	S26		60		0.70			
TSCDA210	S210		100		0.85			
TSCDA32L	S32L	3.0 A	20	80	0.40	1000	3000/-	C2010 (SMA) 
TSCDA34L	S34L		40		0.42			
TSCDA32	S32		20		0.50			
TSCDA34	S34		40		0.50			
TSCDA36	S36		60		0.70			
TSCDA310	S310		100		0.85			
TSCDB32	S32		3.0 A		20	80		
TSCDB34	S34	40		0.50				
TSCDB36	S36	60		0.70				
TSCDB310	S310	100		0.85				
TSCDB52	S52	5.0 A	20	120	0.55	500	-/5000	C2114 (SMB) 
TSCDB54	S54		40		0.55			
TSCDB56	S56		60		0.70			
TSCDB510	S510		100		0.85			
TSCDC32	S32	3.0 A	20	100	0.50	500	-/3000	C3220 (SMC) 
TSCDC34	S34		40		0.50			
TSCDC36	S36		60		0.70			
TSCDC310	S310		100		0.85			
TSCDC54	S54	5.0 A	40	150	0.55	500	-/3000	C3220 (SMC) 
TSCDC56	S56		60		0.70			
TSCDC510	S510		100		0.85			

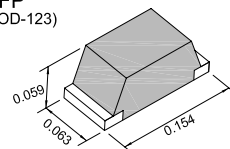
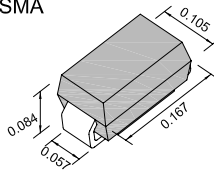
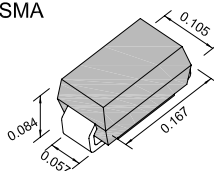
Sintered Glass Passivated Super Fast Rectifiers

SMD Rectifiers

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)						
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)								
TCDF1AW TCDF1BW TCDF1DW TCDF1GW TCDF1JW TCDF1KW	F1A F1B F1D F1G F1J F1K	1.0A	50 100 200 400 600 800	30 30 30 30 30 25	0.95 0.95 0.96 1.05 1.25 2.50	1.0 1.0 2.0 5.0 5.0 5.0	30 30 30 35 35 35	3000/-	C-1206 (SOD-123) 						
EGF1A EGF1B EGF1D EGF1G EGF1J EGF1K	- - - - - -		50 100 200 400 600 800	30 30 30 30 25 25	0.95 0.95 0.95 1.25 1.70 2.20	5.0	35			1500/ 6500	SMA 				
EGF2A EGF2B EGF2D EGF2G EGF2J EGF2K	- - - - - -		50 100 200 400 600 800	65 65 65 65 60 60	0.95 0.95 0.95 1.25 1.70 2.20	5.0	35					750/3200	SMB 		
EGF3AB EGF3BB EGF3DB EGF3GB EGF3JB EGF3KB	- - - - - -		50 100 200 400 600 800	115 115 115 115 105 105	1.00 1.00 1.00 1.25 1.70 1.70	5.0	35							750/3200	SMB 

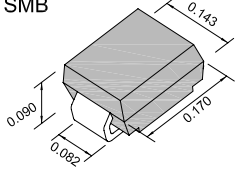
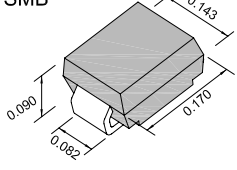
SMD Super Fast Recovery Rectifiers

SMD Rectifiers

Part No.	Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)				
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)						
MFPU1S MFPU2S MFPU3S MFPU4S MFPU5S MFPU6S	- - - - - -	1.0 A	50 100 150 200 300 400	30	0.95 0.95 0.95 0.95 1.25 1.25	5.0	35 35 35 35 35 35	2500/-	MFP (SOD-123) 				
ES1A ES1B ES1C ES1D ES1G ES1J ES1K	EGF1A EGF1B EGF1C EGF1D EGF1G EGF1J EGF1K		50 100 150 200 400 600 800	30 30 30 30 30 30 25	0.95 0.95 0.95 0.95 1.25 1.70 2.20	5.0	35 35 35 35 35 35 35			1800/ 7500	SMA 		
ES2AA ES2BA ES2CA ES2DA ES2GA ES2JA ES2KA	- - - - - - -		50 100 150 200 400 600 800	50	0.95 0.95 0.95 0.95 1.25 1.70 2.20	5.0	35 35 35 35 35 35 35					1800/ 7500	SMA 

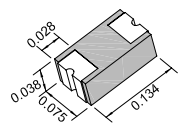
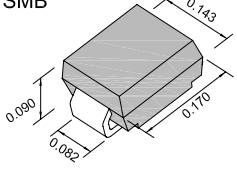
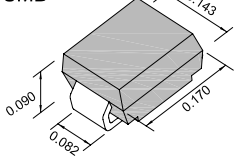
SMD Super Fast Recovery Rectifiers

SMD Rectifiers

Part No.	Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	7"/13" Reel	
ES2A	EGF2A	2.0A	50	65	0.95	5.0	35	750/3200	SMB 
ES2B	EGF2B		100	65	0.95		35		
ES2C	EGF2C		150	65	0.95		35		
ES2D	EGF2D		200	65	0.95		35		
ES2G	EGF2G		400	60	1.25		35		
ES2J	EGF2J		600	60	1.70		35		
ES2K	EGF2K		800	60	2.20		35		
ES3AB	EGF3AB	3.0A	50	100	0.95	5.0	35	750/3200	SMB 
ES3BB	EGF3BB		100		0.95		35		
ES3CB	EGF3CB		150		0.95		35		
ES3DB	EGF3DB		200		0.95		35		
ES3GB	EGF3GB		400		1.25		35		
ES3JB	EGF3JB		600		1.70		35		
ES3A	EGF3AB		3.0A		50		100		
ES3B	EGF3BB	100		0.95	35				
ES3C	EGF3CB	150		0.95	35				
ES3D	EGF3DB	200		0.95	35				
ES3G	EGF3GB	400		1.25	35				
ES3J	EGF3JB	600		1.70	35				

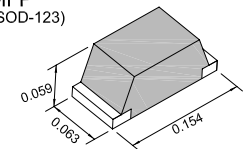
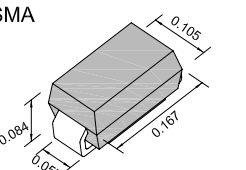
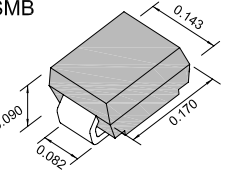
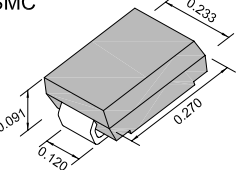
Sintered Glass Passivated Ultra Fast Rectifiers

SMD Rectifiers

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	7"/13" Reel	
TCDU1DW	U1D	1.0A	200	30	1.0	1.0	50	3000/-	C1206 (SOD-123) 
TCDU1GW	U1G		400	30	1.0		50		
TCDU1JW	U1J		600	30	1.7	5.0	50		
TCDU1KW	U1K		800	25	1.7		75		
TCDU1MW	U1M		1000	25	1.7		75		
TCDU1WW	U1W		1500	15	6.0		50		
UGF1A	-		1.0A	50	30		1.00		
UGF1B	-	100		30	1.00	50			
UGF1D	-	200		30	1.00	50			
UGF1G	-	400		30	1.25	50			
UGF1J	-	600		30	1.70	75			
UGF1K	-	800		30	1.70	75			
UGF1M	-	1000		30	1.70	75			
UGF2A	-	2.0A	50	65	1.00	5.0	50	750/3200	SMB 
UGF2B	-		100	65	1.00		50		
UGF2D	-		200	65	1.00		50		
UGF2G	-		400	65	1.25		50		
UGF2J	-		600	60	1.70		75		
UGF2K	-		800	60	1.70		75		
UGF2M	-		1000	60	1.70		75		
UGF3AB	-	3.0A	50	115	1.00	5.0	50	750/3200	SMB 
UGF3BB	-		100	115	1.00		50		
UGF3DB	-		200	115	1.00		50		
UGF3GB	-		400	115	1.25		50		
UGF3JB	-		600	105	1.70		75		
UGF3KB	-		800	105	1.70		75		
UGF3MB	-		1000	105	1.70		75		

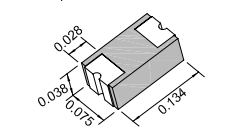
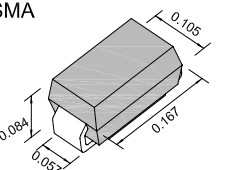
SMD Ultra Fast Rectifiers

SMD Rectifiers

Part No.	Marking Code & Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I_o	Max. Reverse Current @ V_{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)											
		$I_o(AV)$	$V_{RRM}(V)$	$I_{FSM}(A)$	$V_F(V)$	$I_R(\mu A)$	$T_{rr}(nS)$	7"/13" Reel												
MFPH1S MFPH2S MFPH3S MFPH4S MFPH5S MFPH6S MFPH7S	H1 H2 H3 H4 H5 H6 H7	1.0 A	50 100 200 300 400 600 800	30	1.00 1.00 1.00 1.30 1.30 1.70 1.70	5.0	50 50 50 50 50 70 70	2500/-	MFP (SOD-123) 											
US1A US1B US1D US1G US1J US1K US1M	UGF1A UGF1B UGF1D UGF1G UGF1J UGF1K UGF1M		1.0A		50 100 200 400 600 800 1000		30 30 30 30 30 30 30			1.00 1.00 1.00 1.25 1.70 1.70 1.70	5.0	50 50 50 50 75 75 75	1800/ 7500	SMA 						
US2A US2B US2D US2G US2J US2K US2M	UGF2A UGF2B UGF2D UGF2G UGF2J UGF2K UGF2M				2.0A		50 100 200 400 600 800 1000			65 65 65 65 60 60 60	1.00 1.00 1.00 1.25 1.70 1.70 1.70	5.0			50 50 50 50 75 75 75	750/3200	SMB 			
US3A US3B US3D US3G US3J US3K US3M	UGF3AB UGF3BB UGF3DB UGF3GB UGF3JB UGF3KB UGF3MB						3.0A			50 100 200 400 600 800 1000	115 115 115 115 105 105 105	1.00 1.00 1.00 1.25 1.70 1.70 1.70			5.0			50 50 50 50 75 75 75	850/3500	SMC 

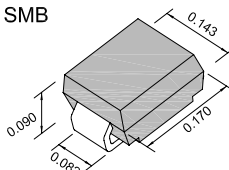
Sintered Glass Passivated Fast Recovery Rectifiers

SMD Rectifiers

Part No.	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I_o	Max. Reverse Current @ V_{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)												
	$I_o(AV)$	$V_{RRM}(V)$	$I_{FSM}(A)$	$V_F(V)$	$I_R(\mu A)$	$T_{rr}(nS)$	7"/13" Reel													
TCDR1DW TCDR1GW TCDR1JW TCDR1KW TCDR1MW TCDR1WW	1.0A	200 400 600 800 1000 1500	30	1.3	1.0	250 250 250 300 300 500	3000/-	C1206 (SOD-123) 												
RGF1A RGF1B RGF1D RGF1G RGF1J RGF1K RGF1M		1.0A				50 100 200 400 600 800 1000			30	1.3	5.0	150 150 150 150 300 300	1500/6500	SMA 						
RGF2A RGF2B RGF2D RGF2G RGF2J RGF2K RGF2M						2.0A						50 100 200 400 600 800 1000			65	1.3	5.0	150 150 150 150 300 300	750/3200	SMB 

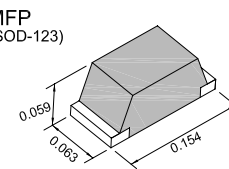
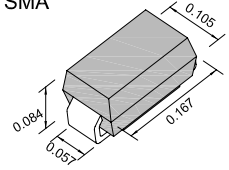
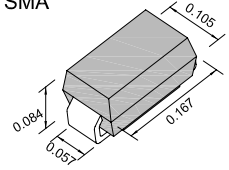
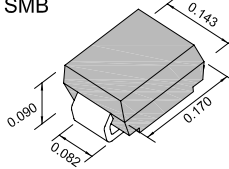
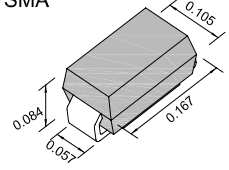
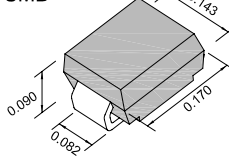
Sintered Glass Passivated Fast Recovery Rectifiers

SMD Rectifiers

Part No.	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)
	I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	7"/13" Reel	
RGF3AB RGF3BB RGF3DB RGF3GB RGF3JB RGF3KB RGF3MB	3.0A	50 100 200 400 600 800 1000	115	1.3	5.0	150 150 150 150 150 300 300	750/3200	SMB 

SMD Fast Recovery Rectifiers

SMD Rectifiers

Part No.	Marking Code & Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)																														
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	7"/13" Reel																															
MFPR1S MFPR2S MFPR3S MFPR4S MFPR5S MFPR6S MFPR7S	R1 R2 R3 R4 R5 R6 R7	1.0 A	50 100 200 400 600 800 1000	30	1.2	5.0	150 150 150 150 250 500 500	2500/-	MFP (SOD-123) 																														
RS1A RS1B RS1D RS1G RS1J RS1K RS1M	RGF1A RGF1B RGF1D RGF1G RGF1J RGF1K RGF1M		1.0 A				50 100 200 400 600 800 1000			30	1.3	5.0	150 150 150 150 250 500 500	1800/ 7500	SMA 																								
SMA4933 SMA4934 SMA4935 SMA4936 SMA4937	- - - - -						1.0 A						50 100 200 400 600			30	1.2	5.0	200 *	200 *	SMA 																		
RS1AB RS1BB RS1DB RS1GB RS1JB RS1KB RS1MB	- - - - - - -												1.0 A						50 100 200 400 600 800 1000			30	1.3	5.0	150 150 150 150 250 500 500	750/3200	SMB 												
RS2AA RS2BA RS2DA RS2GA RS2JA RS2KA RS2MA	- - - - - - -																		1.5 A						50 100 200 400 600 800 1000			30	1.3	5.0	150 150 150 150 250 500 500	1800/ 7500	SMA 						
RS2A RS2B RS2D RS2G RS2J RS2K RS2M	RGF2A RGF2B RGF2D RGF2G RGF2J RGF2K RGF2M																								1.5 A						50 100 200 400 600 800 1000			50	1.3	5.0	150 150 150 150 250 500 500	750/3200	SMB 

SMD Fast Recovery Rectifiers

SMD Rectifiers

Part No.	Marking Code & Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)						
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	7"/13" Reel							
RS3AB RS3BB RS3DB RS3GB RS3JB RS3KB RS3MB	RGF3AB RGF3BB RGF3DB RGF3GB RGF3JB RGF3KB RGF3MB	3.0 A	50 100 200 400 600 800 1000	80	1.3	10.0	150 150 150 150 250 500 500	750/3200							
RS3A RS3B RS3D RS3G RS3J RS3K RS3M	RGF3AB RGF3BB RGF3DB RGF3GB RGF3JB RGF3KB RGF3MB		3.0 A				50 100 200 400 600 800 1000			100	1.3	10.0	150 150 150 150 250 500 500	850/3500	

* Reverse Recovery Test Condition: I_F = 1A, V_R = 30 V, di/dt = 50 A/μs, I_{rr} = 10% I_R(max)

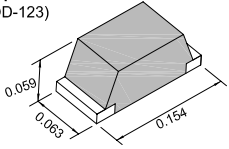
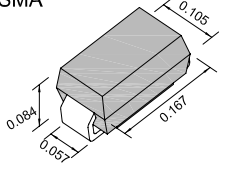
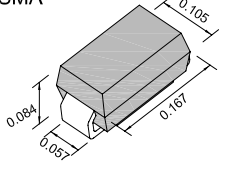
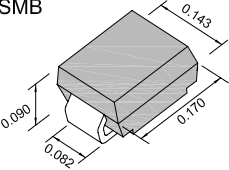
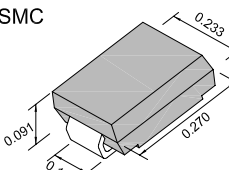
Sintered Glass Passivated Standard Rectifiers

SMD Rectifiers

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)										
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	7"/13" Reel											
TCDT1DW TCDT1GW TCDT1JW TCDT1KW TCDT1MW TCDT1WW	T1D T1G T1J T1K T1M T1W	1.0A	200 400 600 800 1000 1500	30	1.0	1.0	3000/-											
						1.25			5.0									
GF1A GF1B GF1D GF1G GF1J GF1K GF1M GF1Q GF1V GF1W GF1Y GF1Z	- - - - - - - - - - - -	1.0A	50 100 200 400 600 800 1000 1200 1400 1500 1600 2000	30	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.25 1.25 1.25 1.25 2.00	5.0	1500/6500											
GF2A GF2B GF2D GF2G GF2J GF2K GF2M	- - - - - - -		2.0A		50 100 200 400 600 800 1000				65	1.0	5.0	750/3200						
GF3AB GF3BB GF3DB GF3GB GF3JB GF3KB GF3MB	- - - - - - -				3.0A					50 100 200 400 600 800 1000				115	1.0	5.0	750/3200	

SMD Rectifiers

SMD Rectifiers

Part No.	Marking Code & Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated Io	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)						
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	7"/13" Reel							
MFPT1S MFPT2S MFPT3S MFPT4S MFPT5S MFPT6S MFPT7S	T1 T2 T3 T4 T5 T6 T7	1.0 A	50 100 200 400 600 800 1000	30	1.10 @ 1 A	5.0	2500/-	MFP (SOD-123) 						
S1A S1B S1D S1G S1J S1K S1M	GF1A GF1B GF1D GF1G GF1J GF1K GF1M		50 100 200 400 600 800 1000						40	1.10	1.0	1800/ 7500	SMA 	
S1AB S1BB S1DB S1GB S1JB S1KB S1MB	- - - - - - -								30					5.0
S2AA S2BA S2DA S2GA S2JA S2KA S2MA	- - - - - - -		1.5 A						50 100 200 400 600 800 1000	50	1.10	1.0	1800/ 7500	SMA 
S2A S2B S2D S2G S2J S2K S2M	GF2A GF2B GF2D GF2G GF2J GF2K GF2M								2.0 A					
S3AB S3BB S3DB S3GB S3JB S3KB S3MB	GF3AB GF3BB GF3DB GF3GB GF3JB GF3KB GF3MB		3.0 A						50 100 200 400 600 800 1000	100	1.15	5.0	750/3200	SMB 
S3A S3B S3D S3G S3J S3K S3M	GF3AB GF3BB GF3DB GF3GB GF3JB GF3KB GF3MB								3.0 A					
S5A S5B S5D S5G S5J S5K S5M	- - - - - - -	5.0 A	50 100 200 400 600 800 1000	100	1.20	5.0	850/3500	SMC 						

SMD Bridge Rectifiers

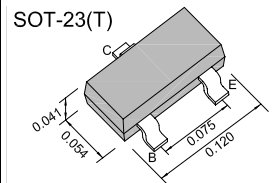
SMD Bridge

Part No.	Marking Code	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)						
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)								
MB2S MB4S MB6S	2 4 6	0.5 A	200 400 600	30	1.0 @ 0.5 A	5.0	750/7"Reel 3000/13"Reel							
DF005S DF01S DF02S DF04S DF06S DF08S DF10S DF12S	- - - - - - -		1.0 A						50 100 200 400 600 800 1000 1200	50	1.1	5.0	50/Tube 1500/13"Reel	
CB2321T12 CB2321T14 CB2321T16 CB2321T18 CB2321T110	CB12 CB14 CB16 CB18 CB110								1.0 A					

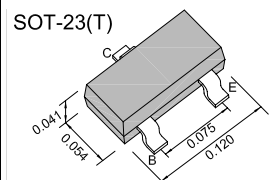
SMD General Purpose Transistors

SMD Bipolar Transistors

Part No.	Device Marking Code	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C		V _{CE(sat)} @ I _C		f _T @ I _C		Package	Outline (Typ. in Inches)
					Min.	Max.	Max.	I _C	Min.	I _C		
					(V)	(mA)	(V)	(mA)	(V)	(mA)	MHz	
MMBT2369	1J	NPN	15	0.50	20	-	2	100	0.25	10	-	-
MMBT918	3B		15	0.35	20	-	1	3	0.4	10	600	4
BC818	6H / 8G		25	0.50	100	600	1	100	0.70	500	100	10
BCX20	U2		25	0.50	100	600	1	100	0.62	500	*200	10
MMBT4124	5C		25	0.20	60	-	1	50	0.3	50	300	10
MMBT8050	5		25	0.80	100	400	1	50	0.5	500	150	100
BC848A	1M / 8CA		30	0.20	110	220	5	2.0	0.60	100	*300	10
BC848B	1M / 8CB		30	0.20	200	450	5	2.0	0.60	100	*300	10
BC848C	1M / 8CC		30	0.20	420	600	5	2.0	0.60	100	*300	10
BC849	2D / 8D		30	0.10	200	800	5	2.0	0.60	100	100	10
MMBT4123	5B		30	0.20	25	-	1	50	0.3	50	250	10
MMBT9013	3GI		30	0.50	118	305	1	50	0.2	150	140	50
MMBT9014	14		30	0.10	150	1000	5	1	0.6	100	125	10
BCW31	D1		32	0.10	110	220	5	2.0	0.25	10	*300	10
BCW32	D2		32	0.10	200	450	5	2.0	0.25	10	*300	10
BCW33	D3		32	0.10	420	800	5	2.0	0.25	10	*300	10
BCW60A	AA		32	0.20	50	-	1	50	0.35	10	*250	10
BCW65A	EA		32	0.80	35	-	2	500	0.7	500	100	20
2N3904S	ZC		40	0.20	-	300	1	10.0	0.20	10	300	10
BF840	NC		40	0.03	-	-	-	-	-	-	*380	1
BF841	ND		40	0.03	-	-	-	-	-	-	*380	1
MMBT2222A	1P		40	0.60	100	300	10	150	1.00	500	300	20
MMBT3904	1A		40	0.20	100	300	1	10.0	0.30	50	300	10
MMBT4401	2X		40	0.60	100	300	1	150	0.4	150	250	20
BC817-16	6D / 8FA		45	1.00	100	250	1	100	0.70	500	100	10
BC817-25	6D / 8FB		45	1.00	160	400	1	100	0.70	500	100	10
BC817-40	6D / 8FC		45	1.00	250	600	1	100	0.70	500	100	10
BC847A	1H / 8BA		45	0.20	110	220	5	2.0	0.60	100	*300	10
BC847B	1H / 8BB		45	0.20	200	450	5	2.0	0.60	100	*300	10
BC847C	1H / 8BC		45	0.20	420	800	5	2.0	0.60	100	*300	10
BC850	2H / 8E		45	0.10	200	800	5	2.0	0.60	100	100	10
BCW66F	EF		45	0.80	35	-	2	500	0.7	500	-	-
BCW71	K1		45	0.10	110	220	5	2.0	0.25	10	*300	10
BCW72	K2		45	0.10	200	450	5	2.0	0.25	10	*300	10
BCW81	K3		45	0.10	420	800	5	2.0	0.25	10	*300	10
BCX19	U1		45	0.50	100	600	1	100	0.62	500	*200	10
BCX70G	AG		45	0.02	50	-	1	50	0.03	500	*250	10
BCV71	K7		60	0.10	110	220	5	2.0	0.25	10	*300	10
BCV72	K8		60	0.10	200	450	5	2.0	0.25	10	*300	10
MMBT8098	KA		60	0.50	75	300	5	100	0.4	100	150	10
MMBTA05	1H	60	0.50	50	-	1	100.0	0.25	100	100	10	
BC846A	1D / 8AA	65	0.20	110	220	5	2.0	0.60	100	*300	10	
BC846B	1D / 8AB	65	0.20	200	450	5	2.0	0.60	100	*300	10	
MMBT8099	KB	80	0.50	75	300	5	100	0.4	100	150	10	
MMBTA06	1G	80	0.50	50	-	1	100.0	0.25	100	100	10	
BC808	5H / 9G	PNP	25	0.50	100	600	1	100	0.70	500	80	10
BCX18	T2		25	0.50	40	-	1	500	0.62	500	*100	10
MMBT4126	5E / C3		25	0.20	60	-	1	50	0.4	50	250	10
MMBT8550	55		25	0.80	100	400	1	100	0.5	500	100	100
BC858A	3M / 9CA		30	0.20	110	220	5	2.0	0.65	100	150	10
BC858B	3M / 9CB		30	0.20	200	450	5	2.0	0.65	100	150	10
BC858C	3M / 9CC		30	0.20	420	800	5	2.0	0.65	100	150	10
BC859	4D / 9D		30	0.10	125	800	5	2.0	0.65	100	100	10
MMBT4125	5D		30	0.20	25	-	1	50	0.4	50	200	10
MMBT9012	2GI		30	0.50	118	305	1	50	0.2	150	140	50
MMBT9015	15		30	0.10	150	1000	5	1	0.7	100	125	10
BCW29	C1		32	0.10	120	260	5	2.0	0.30	10	*150	10
BCW30	C2		32	0.10	215	500	5	2.0	0.30	10	*150	10



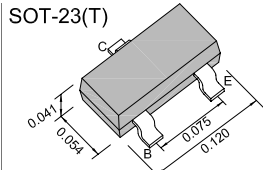
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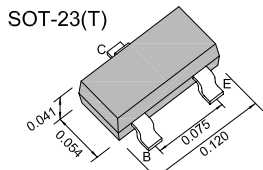
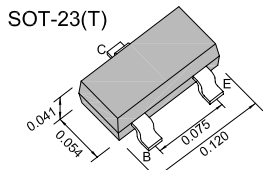
SMD General Purpose Transistors

SMD Bipolar Transistors

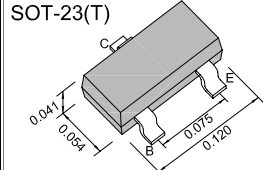
Part No.	Device Marking Code	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C				V _{CE(sat)} @ I _C		f _T @ I _C		Package 7" Reel	Outline (Typ. in Inches)
					Min.	Max.	V _{CE} (V)	I _C (mA)	Max.	I _C (mA)	Min.	I _C (mA)		
BCW61A	BA	PNP	32	0.20	60	-	1	50	0.25	10	*180	10	3000	SOT-23(T) 
2N3906S	ZA		40	0.20	-	300	1	10.0	0.20	10	300	10		
MMBT3906	2A		40	0.20	100	300	1	10.0	0.30	50	300	10		
MMBT4403	2T		40	0.60	100	300	2	150	0.4	150	200	20		
BC807-16	5D / 9FA		45	1.00	100	250	1	100	0.70	500	100	10		
BC807-25	5D / 9FB		45	1.00	160	400	1	100	0.70	500	100	10		
BC807-40	5D / 9FC		45	1.00	250	600	1	100	0.70	500	100	10		
BC857A	3H / 9BA		45	0.20	110	220	5	2.0	0.65	100	150	10		
BC857B	3H / 9BB		45	0.20	200	450	5	2.0	0.65	100	150	10		
BC857C	3H / 9BC		45	0.20	420	800	5	2.0	0.65	100	150	10		
BC860	4H / 9E		45	0.10	125	800	5	2.0	0.65	100	100	10		
BCW67	DA		45	0.80	75	-	1	10	1.5	300	100	20		
BCW68F	DF		45	0.80	35	-	1	300	1.5	500	100	20		
BCW69	H1		45	0.10	120	260	5	2.0	0.3	10	*150	10		
BCW70	H2		45	0.10	215	500	5	2.0	0.3	10	*150	10		
BCX17	T1		45	0.50	40	-	1	500	0.62	500	*100	10		
BCX71G	BG		45	0.20	120	220	1	50	0.25	10	*180	10		
BCX71H	BH		45	0.20	80	310	1	50	0.25	10	*180	10		
MMBT200	N2		45	0.50	100	350	5	150	0.2	10	250	20		
MMBT200A	N2A		45	0.50	100	-	5	150	0.2	10	250	20		
BCW89	H3		60	0.10	120	260	5	2.0	0.30	10	*150	10		
MMBT2907A	2F		60	0.60	100	300	10	150.0	1.60	500	200	50		
MMBT8598	2K		60	0.50	75	-	5	5	0.4	100	100	10		
MMBTA55	2H		60	0.50	50	-	1	100.0	0.25	100	100	10		
BC856A	3D / 9AA		65	0.20	110	220	5	2.0	0.65	100	*300	10		
BC856B	3D / 9AB		65	0.20	200	450	5	2.0	0.65	100	*300	10		
MMBT8599	2W		80	0.50	100	300	5	1	0.4	100	150	10		
MMBTA56	2G		80	0.50	50	-	1	100.0	0.25	100	100	10		

Note : * = TYP

SMD High Voltage Transistors

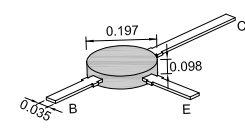
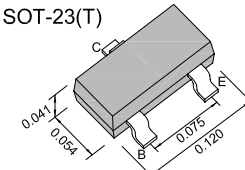
Part No.	Device Marking Code	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C				V _{CE(sat)} @ I _C		f _T @ I _C		Package 7" Reel	Outline (Typ. in Inches)
					Min.	Max.	V _{CE} (V)	I _C (mA)	Max.	I _C (mA)	Min.	I _C (mA)		
MMBT5550	1F	NPN	140	0.6	60	-	5	50	0.15	10	20	10	3000	SOT-23(T) 
MMBT5551	G1		160	0.6	80	250	5	10	0.20	50	100	10		
MMBTA42	1D		300	0.5	40	-	10	30	0.50	20	50	10		
MMBT6517	1Z		350	0.5	15	-	10	100	0.3	10	40	10		
MMBT5400	K2	PNP	120	0.5	40	180	5	10	0.50	50	100	10	3000	SOT-23(T) 
MMBT5401	2L		150	0.5	60	240	5	10	0.50	50	100	10		
MMBTA92	2D		300	0.5	40	-	10	30	0.50	20	50	10		
MMBT6520	2Z		350	0.5	20	-	15	100	0.3	10	20	10		

SMD Darlington Transistors

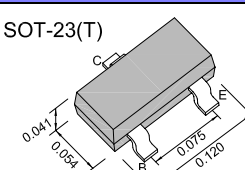
Part No.	Device Marking Code	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C				V _{CE(sat)} & V _{BE(sat)} @ I _C & I _B				f _T @ V _{CE} & I _C				Package 7" Reel	Outline (Typ. in Inches)
					Min.	Max.	V _{CE} (V)	I _C (mA)	Max.	Max.	I _C (mA)	I _B (mA)	Min.	Max.	V _{CE} (V)	I _C (mA)		
MMBTA13	1M	NPN	30	0.3	10K	-	5	10	1.5	-	100	0.1	125	-	5	10	3000	SOT-23(T) 
MMBTA14	1N	NPN	30	0.3	10K	-	5	10	1.5	-	100	0.1	125	-	5	10		
MMBT6427	1V	NPN	40	0.5	20K	200K	5	100	1.5	2	500	0.5	130	-	-	10		

SMD Tuner / Broadband Transistors

SMD Bipolar Transistors

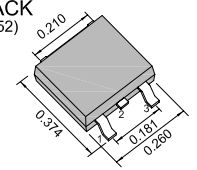
Part No.	Device Marking Code	Polarity	V _{CEO}	I _C Max	P _{tot} @ T _{amb}	h _{FE} @ V _{CE} & I _C				f _T @ I _C		G _P @ I _C & f		F @ f & I _C			Package	Outline (Typ. in Inches)	
			(V)	(mA)	(mW)	(°C)	Typ.	(V)	(mA)	(MHz)	(mA)	(dB)	(mA)	(MHz)	(dB)	(MHz)			(mA)
BFR90	-	NPN	15	30	300	60	50	10	14	5000	14	19.5	14	500	2.2	500	2	1000/ Bulk	TO-50 
BFR90A	-	NPN	15	30	300	60	100	10	14	6000	14	16.0	14	800	1.8	800	2		
BFR92	P1	NPN	15	30	200	60	50	10	14	5000	14	19.5	14	500	2.2	500	2	3000/ 7" Reel	SOT-23(T) 
BFR92A	P2	NPN	15	30	200	60	100	10	14	6000	14	16.0	14	800	1.8	800	4		
BFR93A	R2	NPN	12	50	200	60	90	5	30	6000	30	14.0	25	800	1.6	800	5		

SMD RF/VHF/UHF Transistors

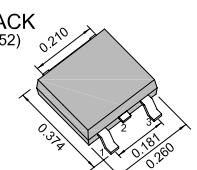
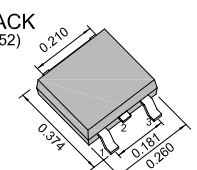
Part No.	Device Marking Code	Polarity	V _{CEO}	f _T @ V _{CE} & I _C				C _{cb}	G _{PE}	h _{FE} @ V _{CE} & I _C				NF Max.	Condition Frequency	Package	Outline (Typ. in Inches)		
				Min.	Max.	V _{CE}	I _C			Max.	Min.	Min.	Max.					V _{CE}	I _C
				(MHz)	(MHz)	(V)	(mA)			(pF)	(dB)	(V)	(mA)					(dB)	(MHz)
MMBT5179	3C	NPN	12	900	2000	6	5	1.00	15	25	300	1	3	5.0	200	3000	SOT-23(T) 		
MMBTH10	3E	NPN	25	650	-	10	4	0.70	-	60	-	10	4	-	-				
MMBTH24	3A	NPN	30	400	-	10	8	0.36	*19	30	-	10	8	-	-				

* = CG Conversion Gain

SMD Power Transistors

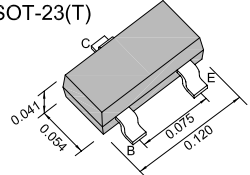
Part No.	Polarity	I _C	V _{CEO}	P _C	h _{FE} @ V _{CE} & I _C			V _{CE(sat)} @ I _C & I _B			f _T @ V _{CE} & I _C			Pins	Package	Outline (Typ. in Inches)
					Min.	V _{CE}	I _C	Max.	I _C	I _B	Typ.	V _{CE}	I _C			
					(A)	(V)	(A)	(V)	(A)	(A)	(MHz)	(V)	(A)			
MJD44H11	NPN	8.0	80	20	60	1	2.00	1.00	8.0	0.4	50	10.0	0.5	BCE	2000	D-PACK (TO-252) 
MJD45H11	PNP	8.0	80	20	60	1	2.00	1.00	8.0	0.4	40	10.0	0.5	BCE		

SMD Darlington Power Transistors

Part No.	Polarity	I _C	V _{CEO}	P _C	h _{FE} @ V _{CE} & I _C				V _{CE(sat)} @ I _C & I _B			Pins	Package	Outline (Typ. in Inches)
					Min.	Max.	V _{CE}	I _C	Max.	I _C	I _B			
					(A)	(A)	(V)	(A)	(V)	(A)	(A)			
MJD6039	NPN	4	80	20	1000	-	4	1	2.5	2	0.008	BCE	2000	D-PACK (TO-252) 
MJD112		2	100	20	1000	12K	3	2	2.0	2	0.008	BCE		
MJD122		8	100	20	1000	12K	4	4	2.0	4	0.016	BCE		
MJD6036	PNP	4	80	20	1000	-	4	1	2.5	2	0.008	BCE	2000	D-PACK (TO-252) 
MJD117		2	100	20	1000	12K	3	2	2.0	2	0.008	BCE		
MJD127		8	100	20	1000	12K	4	4	2.0	4	0.016	BCE		

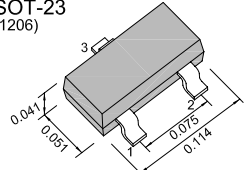
SMD High Speed Saturated Switching Transistors

SMD Bipolar Transistors

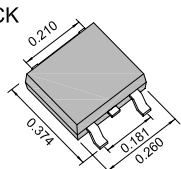
Part No.	Polarity	V_{CE0}	t_{on}	$t_{off} @ I_C$		$h_{FE} @ I_C$		$V_{CE(sat)} @ I_C \& I_B$			f_T Min.	P_D @ 25°C	Package	Outline (Typ. in Inches)
		Min.	Max.	Max.	I_C	Min.	I_C	Max.	I_C	I_B				
		(V)	(ns)	(ns)	(mA)	(mA)	(mA)	(V)	(mA)	(mA)				
MMBT3640	PNP	12	25	35	50	30	10	0.2	10	1.0	500	225	3000	SOT-23(T) 

SMD Signal DMOS Transistor (N-Channel)

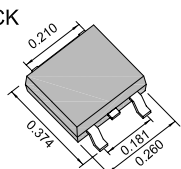
SMD MOSFET

Part No.	Device Marking Code	Drain-Source Voltage	Gate-Source Voltage	Max. Drain Current	Gate Th. Voltage $V_{DS}=V_{GS}$ $I_D=0.25mA$	Max. Static DS Resistance $V_{GS}=5V$ $I_D=50mA$	Drain Cutoff Current $V_{DS}=60V$ $V_{GS}=0V$	Package	Outline (Typ. in Inches)
		$V_{DSS}(V)$	$V_{GS}(V)$	$I_D(mA)$	$V_{GS(th)}(V)$	$R_{DS(ON)}(\Omega)$	$I_{DSS}(\mu A)$		
2N7002	WA	60	± 20	300	1.1 - 2.3	2.1	1	3000	SOT-23 (1206) 
2N7002A	WB	60	± 20	115	1 - 2.5	7.5	1		
2N7002E	-	60	± 20	240	1 - 2.5	7.5	1		
2N7002K	WC	60	± 20	300	1.1 - 2.35	2.1	1		

SMD MOSFET Transistors (N-Channel)

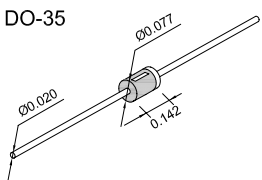
Part No.	Drain-Source Braekdown Voltage	Min. On-State DS Current	Typ. Static DS Resistance	Part No.	Drain-Source Braekdown Voltage	Min. On-State DS Current	Typ. Static DS Resistance	Package	Outline (Typ. in Inches)
	$BV_{DSS}(V)$	$I_{D(ON)}(A)$	$R_{DS(ON)}(\Omega)$		$BV_{DSS}(V)$	$I_{D(ON)}(A)$	$R_{DS(ON)}(\Omega)$		
IRFR010	50	8.2	0.20	IRFR310	400	1.5	3.6	2000	D-PACK 
IRFR120	100	8.4	0.27	IRFR320	400	2.7	1.8		
IRFR210	200	2.7	1.5	SSR3055	60	12.0	0.15		
IRFR220	200	4.6	0.8	-	-	-	-		

SMD MOSFET Transistors (P-Channel)

Part No.	Drain-Source Braekdown Voltage	Min. On-State DS Current	Typ. Static DS Resistance	Part No.	Drain-Source Braekdown Voltage	Min. On-State DS Current	Typ. Static DS Resistance	Package	Outline (Typ. in Inches)
	$BV_{DSS}(V)$	$I_{D(ON)}(A)$	$R_{DS(ON)}(\Omega)$		$BV_{DSS}(V)$	$I_{D(ON)}(A)$	$R_{DS(ON)}(\Omega)$		
IRFR9010	-50	-5.3	0.50	IRFR9220	-200	-3.6	1.5	2000	D-PACK 

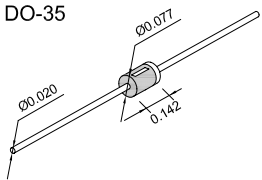
Small Signal Diodes & Switching Diodes

Diodes

Part No.	Peak Reverse Voltage	Max. Forward Voltage Drop @ I_F		Max. Reverse Current @ V_R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 0 V	Package	Outline (Typ. in Inches)
	V_{RRM}	V_F	I_F	I_R	V_R	T_{rr}	C_T		
	(V)	(V)	(mA)	(μ A)	(V)	(ns)	(pF)	Bulk/Reel	
1N4450	30	0.64	1.0	0.05	30	4	4	1000/ 10000	
FD777	30	0.53/0.64/0.79/0.94/1.0/1.35	0.01/0.1/1.0/1/20/50	0.05	20	0.7	1		
1N4154	35	1.0	30	0.1	25	4	4		
BAY71	35	1.0	20	0.1	25	4	4		
1N4152	40	0.55/0.59/0.67/0.7/0.81/0.88	0.1/0.25/1/2/10/20	0.05	30	2	2		
1N3064	75	0.575/0.65/0.71/1	0.25/1/2/10	0.1	50	4	2		
1N4150	75	0.62/0.74/0.86/0.92/1	1/10/50/100/200	0.1	50	4	2.5		
1N4151	75	1.0	50	0.05	50	4	2		
1N4153	75	0.55/0.59/0.67/0.7/0.81/0.88	0.1/0.25/1/2/10/20	0.05	30	2	2		
1N4305	75	0.575/0.65/0.71/0.85	0.25/1/2/10	0.1	50	2	4		
1N4449	75	1.0	30	0.025	20	4	2		
1N4454	75	1.0	10	0.1	50	4	2		
1N4148	100	1.0	10	0.025/5	20/75	4	4		
1N4149	100	1.0	10	0.025/5	20/75	4	2		
1N4446	100	1.0	20	0.025	20	4	4		
1N4447	100	1.0	20	0.025	20	4	4		
1N4448	100	1.0	100	0.025	20	4	2		
1N914	100	1.0	10	0.025/5	20/75	4	4		
1N914A	100	1.0	20	0.025/5	20/75	4	4		
1N914B	100	0.72/1	5/100	0.025/5	20/75	4	4		
1N916	100	1.0	10	0.025/5	20/75	4	2		
1N916A	100	1.0	20	0.025/5	20/75	4	2		
1N916B	100	0.73/1	5/30	0.025/5	20/75	4	2		
BAV19	120	1.0/1.25	100/200	0.1	100	50	3		
BAY80	120	1.0	150	0.1	100	60	5		
BAX16	150	1.3	100	0.1	100	120	5		
1N3070	200	1.0	100	0.1	175	50	5		
1N4938	200	1.0	100	0.1	175	50	5		
BAV20	200	1.0/1.25	100/200	0.1	150	50	5		
BAV21	250	1.0/1.25	100/200	0.1	200	50	5		

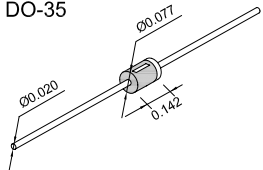
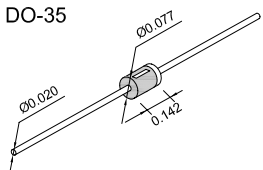
Low Leakage Diodes

Diodes

Part No.	Peak Reverse Voltage	Max. Forward Voltage Drop @ I_F		Max. Reverse Current @ V_R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 0 V	Package	Outline (Typ. in Inches)
	V_{RRM}	V_F	I_F	I_R	V_R	T_{rr}	C_T		
	(V)	(V)	(mA)	(μ A)	(V)	(ns)	(pF)	Bulk/Reel	
1N456A	30	1.0	100	0.025	25	-	6	1000/ 10000	
1N482B	30	1.0	100	0.025	40	-	-		
1N457	70	1.0	40	0.025	60	-	8		
BAW27	75	1.25	600	0.1	60	-	6		
1N483B	80	1.0	100	0.025	60	-	-		
1N458A	150	1.0	100	0.025	125	-	6		
FDH333	150	0.89/0.94/0.97/1.05/1.08/1.15	50/100/150/200/250/300	0.003	125	-	6		
1N459	200	1.0	30	0.025	175	-	6		
1N459A	200	1.0	100	0.025	175	-	6		

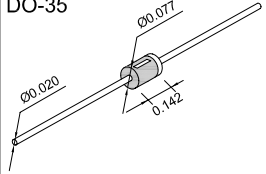
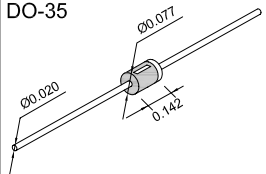
Zener Diodes - 500mW

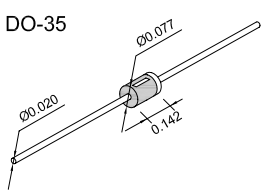
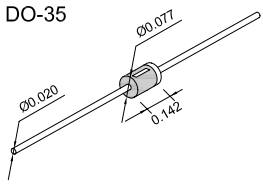
Zener

500mW	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Max. Zener Current	Package	Outline (Typ. in Inches)
	Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)			
Part No.	V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)						I_Z (mA)	Bulk/Reel	
1N4678	1.8	1.71	1.89	0.05	-	-	-	7.50	1.0	120	1000/ 10000	
1N4679	2.0	1.90	2.10	0.05	-	-	-	5.00	1.0	110		
1N4680	2.2	2.09	2.31	0.05	-	-	-	4.00	1.0	100		
1N4681	2.4	2.28	2.52	0.05	-	-	-	2.00	1.0	95.0		
1N4682	2.7	2.57	2.84	0.05	-	-	-	1.00	1.0	90.0		
1N4683	3.0	2.85	3.15	0.05	-	-	-	0.80	1.0	85.0		
1N4684	3.3	3.14	3.47	0.05	-	-	-	7.50	1.5	80.0		
1N4685	3.6	3.42	3.78	0.05	-	-	-	7.50	2.0	75.0		
1N4686	3.9	3.71	4.10	0.05	-	-	-	5.00	2.0	70.0		
1N4687	4.3	4.09	4.52	0.05	-	-	-	4.00	2.0	65.0		
1N4688	4.7	4.47	4.94	0.05	-	-	-	10.00	3.0	60.0		
1N4689	5.1	4.85	5.36	0.05	-	-	-	10.00	3.0	55.0		
1N4690	5.6	5.32	5.88	0.05	-	-	-	10.00	4.0	50.0		
1N4691	6.2	5.89	6.51	0.05	-	-	-	10.00	5.0	45.0		
1N4692	6.8	4.46	7.14	0.05	-	-	-	10.00	5.1	35.0		
1N4693	7.5	7.13	7.88	0.05	-	-	-	10.00	5.7	31.8		
1N4694	8.2	7.79	8.61	0.05	-	-	-	1.00	6.2	29.0		
1N4695	8.7	8.27	9.14	0.05	-	-	-	1.00	6.6	27.4		
1N4696	9.1	8.65	9.56	0.05	-	-	-	1.00	6.9	26.2		
1N4697	10	9.50	10.5	0.05	-	-	-	1.00	7.6	24.8		
1N4698	11	10.5	11.6	0.05	-	-	-	0.05	8.4	21.6		
1N4699	12	11.4	12.6	0.05	-	-	-	0.05	9.1	20.4		
1N4700	13	12.4	13.7	0.05	-	-	-	0.05	9.8	19.0		
1N4701	14	13.3	14.7	0.05	-	-	-	0.05	10.6	17.5		
1N4702	15	14.3	15.8	0.05	-	-	-	0.05	11.4	16.3		
1N4703	16	15.2	16.8	0.05	-	-	-	0.05	12.1	15.4		
1N4704	17	16.2	17.9	0.05	-	-	-	0.05	12.9	14.5		
1N4705	18	17.1	18.9	0.05	-	-	-	0.05	13.6	13.2		
1N4706	19	18.1	20.0	0.05	-	-	-	0.05	14.4	12.5		
1N4707	20	19.0	21.0	0.05	-	-	-	0.01	15.2	11.9		
1N4708	22	20.9	23.1	0.05	-	-	-	0.01	16.7	10.8		
1N4709	24	22.8	25.2	0.05	-	-	-	0.01	18.2	9.9		
1N4710	25	23.8	26.3	0.05	-	-	-	0.01	19.0	9.5		
1N4711	27	25.7	28.4	0.05	-	-	-	0.01	20.4	8.8		
1N4712	28	26.6	29.4	0.05	-	-	-	0.01	21.2	8.5		
1N4713	30	28.5	31.5	0.05	-	-	-	0.01	22.8	7.9		
1N4714	33	31.4	34.7	0.05	-	-	-	0.01	25.0	7.2		
1N4715	36	34.2	37.8	0.05	-	-	-	0.01	27.3	6.6		
1N4716	39	37.1	41.0	0.05	-	-	-	0.01	29.6	6.1		
1N4717	43	40.9	45.2	0.05	-	-	-	0.01	32.6	5.5		
1N5987B	3.0	2.85	3.15	5.0	95	2000	0.25	50.0	1.0	167	1000/ 10000	
1N5988B	3.3	3.14	3.47	5.0	95	2200	0.25	25.0	1.0	152		
1N5989B	3.6	3.42	3.78	5.0	90	2300	0.25	15.0	1.0	139		
1N5990B	3.9	3.71	4.10	5.0	90	2400	0.25	10.0	1.0	128		
1N5991B	4.3	4.09	4.52	5.0	88	2500	0.25	5.0	1.0	116		
1N5992B	4.7	4.47	4.94	5.0	70	2200	0.25	3.0	1.0	106		
1N5993B	5.1	4.85	5.36	5.0	50	2050	0.25	2.0	1.0	98.0		
1N5994B	5.6	5.32	5.88	5.0	25	1800	0.25	2.0	1.0	89.0		
1N5995B	6.2	5.89	6.51	5.0	10	1300	0.25	1.0	1.0	81.0		
1N5996B	6.8	6.46	7.14	5.0	8	750	0.25	1.0	1.0	74.0		
1N5997B	7.5	7.13	7.88	5.0	7	600	0.25	0.5	1.0	67.0		
1N5998B	8.2	7.79	8.61	5.0	7	600	0.25	0.5	1.0	61.0		
1N5999B	9.1	8.65	9.56	5.0	10	600	0.25	0.1	1.0	55.0		
1N6000B	10	9.50	10.5	5.0	15	600	0.25	0.1	1.0	50.0		
1N6001B	11	10.45	11.55	5.0	18	600	0.25	0.1	1.0	45.0		
1N6002B	12	11.4	12.6	5.0	22	600	0.25	0.1	1.0	42.0		
1N6003B	13	12.35	13.65	5.0	25	600	0.25	0.1	1.0	38.0		
1N6004B	15	14.25	15.75	5.0	32	600	0.25	0.1	1.0	33.0		

Zener Diodes - 500mW

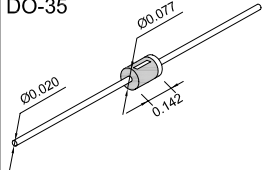
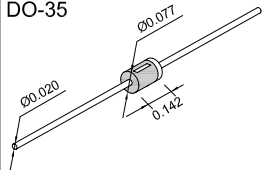
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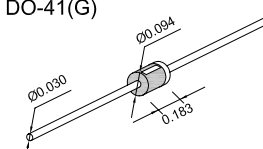
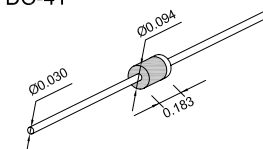
500mW	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Max. Zener Current	Package	Outline (Typ. in Inches)		
	Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)					
Part No.	V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	I_Z (mA)	Bulk/Reel			
1N6005B	16	15.2	16.8	5.0	36	600	0.25	0.1	1.0	31.0	1000/ 10000			
1N6006B	18	17.1	18.9	5.0	42	600	0.25	0.1	1.0	28.0				
1N6007B	20	19.0	21.0	5.0	48	600	0.25	0.1	1.0	25.0				
1N6008B	22	20.9	23.1	5.0	55	600	0.25	0.1	1.0	23.0				
1N6009B	24	22.8	25.2	5.0	62	600	0.25	0.1	1.0	21.0				
1N6010B	27	25.65	28.35	5.0	70	600	0.25	0.1	1.0	19.0				
1N6011B	30	28.5	31.5	5.0	78	600	0.25	0.1	1.0	17.0				
1N6012B	33	31.35	34.65	5.0	88	700	0.25	0.1	1.0	15.0				
1N6013B	36	34.2	37.8	5.0	95	700	0.25	0.1	1.0	14.0				
1N6014B	39	37.05	40.95	2.0	130	800	0.25	0.1	1.0	13.0				
1N6015B	43	40.85	45.15	2.0	150	900	0.25	0.1	1.0	12.0				
1N6016B	47	44.65	49.35	2.0	170	1000	0.25	0.1	1.0	11.0				
1N6017B	51	48.45	53.55	2.0	180	1300	0.25	0.1	1.0	9.8				
1N6018B	56	53.2	58.8	2.0	200	1400	0.25	0.1	1.0	8.9				
1N6019B	62	58.9	65.1	2.0	225	1400	0.25	0.1	1.0	8.0				
1N6020B	68	64.6	71.4	2.0	240	1600	0.25	0.1	1.0	7.4				
1N5221B	2.4	2.28	2.52	20.0	30.0	1200	0.25	100.0	1.0	191			1000/ 10000	
1N5222B	2.5	2.38	2.63	20.0	30.0	1250	0.25	100.0	1.0	182				
1N5223B	2.7	2.57	2.84	20.0	30.0	1300	0.25	75.0	1.0	168				
1N5224B	2.8	2.66	2.94	20.0	30.0	1400	0.25	75.0	1.0	162				
1N5225B	3.0	2.85	3.15	20.0	29.0	1600	0.25	50.0	1.0	151				
1N5226B	3.3	3.14	3.47	20.0	28.0	1600	0.25	25.0	1.0	138				
1N5227B	3.6	3.42	3.78	20.0	24.0	1700	0.25	15.0	1.0	126				
1N5228B	3.9	3.71	4.10	20.0	23.0	1900	0.25	10.0	1.0	115				
1N5229B	4.3	4.09	4.52	20.0	22.0	2000	0.25	5.0	1.0	106				
1N5230B	4.7	4.47	4.94	20.0	19.0	1900	0.25	5.0	2.0	97.0				
1N5231B	5.1	4.85	5.36	20.0	17.0	1600	0.25	5.0	2.0	89.0				
1N5232B	5.6	5.32	5.88	20.0	11.0	1600	0.25	5.0	3.0	81.0				
1N5233B	6.0	5.70	6.30	20.0	7.0	1600	0.25	5.0	3.5	76.0				
1N5234B	6.2	5.89	6.51	20.0	7.0	1000	0.25	5.0	4.0	73.0				
1N5235B	6.8	6.46	7.14	20.0	5.0	750	0.25	3.0	5.0	67.0				
1N5236B	7.5	7.13	7.88	20.0	6.0	500	0.25	3.0	6.0	61.0				
1N5237B	8.2	7.79	8.61	20.0	8.0	500	0.25	3.0	6.5	55.0				
1N5238B	8.7	8.27	9.14	20.0	8.0	600	0.25	3.0	6.5	52.0				
1N5239B	9.1	8.65	9.56	20.0	10.0	600	0.25	3.0	7.0	50.0				
1N5240B	10	9.50	10.5	20.0	17.0	600	0.25	3.0	8.0	45.0				
1N5241B	11	10.45	11.55	20.0	22.0	600	0.25	2.0	8.4	41.0				
1N5242B	12	11.4	12.6	20.0	30.0	600	0.25	1.0	9.1	38.0				
1N5243B	13	12.35	13.65	9.50	13.0	600	0.25	0.5	9.9	35.0				
1N5244B	14	13.3	14.7	9.00	15.0	600	0.25	0.1	10.0	32.0				
1N5245B	15	14.25	15.75	8.50	16.0	600	0.25	0.1	11.0	30.0				
1N5246B	16	15.2	16.8	7.80	17.0	600	0.25	0.1	12.0	28.0				
1N5247B	17	16.15	17.85	7.40	19.0	600	0.25	0.1	13.0	27.0				
1N5248B	18	17.1	18.9	7.00	21.0	600	0.25	0.1	14.0	25.0				
1N5249B	19	18.05	19.95	6.60	23.0	600	0.25	0.1	14.0	24.0				
1N5250B	20	19.0	21.0	6.20	25.0	600	0.25	0.1	15.0	23.0				
1N5251B	22	20.9	23.1	5.60	29.0	600	0.25	0.1	17.0	21.2				
1N5252B	24	22.8	25.2	5.20	33.0	600	0.25	0.1	18.0	19.1				
1N5253B	25	23.75	26.25	5.00	35.0	600	0.25	0.1	19.0	18.2				
1N5254B	27	25.65	28.35	4.60	41.0	600	0.25	0.1	21.0	16.8				
1N5255B	28	26.6	29.4	4.50	44.0	600	0.25	0.1	21.0	16.2				
1N5256B	30	28.5	31.5	4.20	49.0	600	0.25	0.1	23.0	15.1				
1N5257B	33	31.35	34.65	3.80	58.0	700	0.25	0.1	25.0	13.8				
1N5258B	36	34.2	37.8	3.40	70.0	700	0.25	0.1	27.0	12.6				
1N5259B	39	37.05	40.95	3.20	80.0	800	0.25	0.1	30.0	11.5				
1N5260B	43	40.85	45.15	3.00	93.0	900	0.25	0.1	33.0	10.6				
1N5261B	47	44.65	49.35	2.70	150.0	1000	0.25	0.1	36.0	9.7				
1N5262B	51	48.45	53.55	2.50	125.0	1100	0.25	0.1	39.0	8.9				

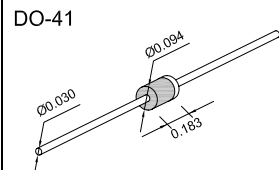
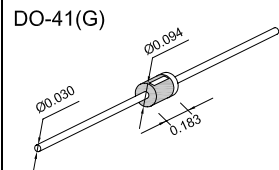
500mW	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Max. Zener Current	Package	Outline (Typ. in Inches)
	Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)			
Part No.	V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	I _Z (mA)	Bulk/Reel	
1N746A	3.3	3.14	3.46	20.0	28	-	-	10.0	1.0	110	1000/ 10000	
1N747A	3.6	3.42	3.78	20.0	24	-	-	10.0	1.0	100		
1N748A	3.9	3.71	4.10	20.0	23	-	-	10.0	1.0	95		
1N749A	4.3	4.09	4.52	20.0	22	-	-	2.0	1.0	85		
1N750A	4.7	4.47	4.94	20.0	19	-	-	2.0	1.0	75		
1N751A	5.1	4.85	5.36	20.0	17	-	-	1.0	1.0	70		
1N752A	5.6	5.32	5.88	20.0	11	-	-	1.0	1.0	65		
1N753A	6.2	5.89	6.51	20.0	7	-	-	0.1	1.0	65		
1N754A	6.8	6.46	7.14	20.0	5	-	-	0.1	1.0	55		
1N755A	7.5	7.13	7.88	20.0	6	-	-	0.1	1.0	50		
1N756A	8.2	7.79	8.61	20.0	8	-	-	0.1	1.0	45		
1N757A	9.1	8.65	9.56	20.0	10	-	-	0.1	1.0	40		
1N758A	10.0	9.50	10.5	20.0	17	-	-	0.1	1.0	35		
1N759A	12.0	11.4	12.6	20.0	30	-	-	0.1	1.0	30		
1N957B	6.8	6.46	7.14	18.5	4.5	700	1.00	150.0	5.2	47		
1N958B	7.5	7.13	7.88	16.5	5.5	700	0.50	75.0	5.7	42		
1N959B	8.2	7.79	8.61	15.0	6.5	700	0.50	50.0	6.2	38		
1N960B	9.1	8.65	9.56	14.0	7.5	700	0.50	25.0	6.9	35		
1N961B	10	9.50	10.5	12.5	8.5	700	0.25	10.0	7.6	32		
1N962B	11	10.5	11.6	11.5	9.5	700	0.25	5.0	8.4	28		
1N963B	12	11.4	12.6	10.5	11.5	700	0.25	5.0	9.1	26		
1N964B	13	12.4	13.7	9.5	13.0	700	0.25	5.0	9.9	24		
1N965B	15	14.3	15.8	8.5	16.0	700	0.25	5.0	11.4	21		
1N966B	16	15.2	16.8	7.8	17.0	700	0.25	5.0	12.2	19		
1N967B	18	17.1	18.9	7.0	21.0	750	0.25	5.0	13.7	17		
1N968B	20	19.0	21.0	6.2	25.0	750	0.25	5.0	15.2	15		
1N969B	22	20.9	23.1	5.6	29.0	750	0.25	5.0	16.7	14		
1N970B	24	22.8	25.2	5.2	33.0	750	0.25	5.0	18.2	13		
1N971B	27	25.65	28.35	4.6	41.0	750	0.25	5.0	20.6	11		
1N972B	30	28.5	31.5	4.2	49.0	1000	0.25	5.0	22.8	10		
1N973B	33	31.35	34.65	3.8	58.0	1000	0.25	5.0	25.1	9.2		
1N974B	36	34.2	37.8	3.4	70.0	1000	0.25	5.0	27.4	8.5		
1N975B	39	37.05	40.95	3.2	80.0	1000	0.25	5.0	29.7	7.8		
1N976B	43	40.85	45.15	3.0	93.0	1500	0.25	5.0	32.7	7		
1N977B	47	44.65	49.35	2.7	105.0	1500	0.25	5.0	35.8	6.4		
1N978B	51	48.45	53.55	2.5	125.0	1500	0.25	5.0	38.8	5.9		
BZX55C2V4	2.4	2.28	2.56	5.0	85	600	1.0	50.0	1.0	-	1000/ 10000	
BZX55C2V7	2.7	2.5	2.9	5.0	85	600	1.0	10.0	1.0	135		
BZX55C3V0	3.0	2.8	3.2	5.0	85	600	1.0	4.0	1.0	125		
BZX55C3V3	3.3	3.1	3.5	5.0	85	600	1.0	2.0	1.0	115		
BZX55C3V6	3.6	3.4	3.8	5.0	85	600	1.0	2.0	1.0	105		
BZX55C3V9	3.9	3.7	4.1	5.0	85	600	1.0	2.0	1.0	95		
BZX55C4V3	4.3	4.0	4.6	5.0	75	600	1.0	1.0	1.0	90		
BZX55C4V7	4.7	4.4	5.0	5.0	60	600	1.0	0.5	1.0	85		
BZX55C5V1	5.1	4.8	5.4	5.0	35	550	1.0	0.1	1.0	80		
BZX55C5V6	5.6	5.2	6.0	5.0	25	450	1.0	0.1	1.0	70		
BZX55C6V2	6.2	5.8	6.6	5.0	10	200	1.0	0.1	2.0	64		
BZX55C6V8	6.8	6.4	7.2	5.0	8	150	1.0	0.1	3.0	58		
BZX55C7V5	7.5	7.0	7.9	5.0	7	50	1.0	0.1	5.0	53		
BZX55C8V2	8.2	7.7	8.7	5.0	7	50	1.0	0.1	6.0	47		
BZX55C9V1	9.1	8.5	9.6	5.0	10	50	1.0	0.1	7.0	43		
BZX55C10	10	9.4	10.6	5.0	15	70	1.0	0.1	7.5	40		
BZX55C11	11	10.4	11.6	5.0	20	70	1.0	0.1	8.5	36		
BZX55C12	12	11.4	12.7	5.0	20	90	1.0	0.1	9.0	32		
BZX55C13	13	12.4	14.1	5.0	26	110	1.0	0.1	10	29		
BZX55C15	15	13.8	15.6	5.0	30	110	1.0	0.1	11	27		
BZX55C16	16	15.3	17.1	5.0	40	170	1.0	0.1	12	24		
BZX55C18	18	16.8	19.1	5.0	50	170	1.0	0.1	14	21		

Zener Diodes - 500mW

Zener

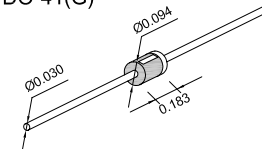
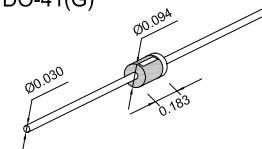
500mW	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Max. Zener Current	Package	Outline (Typ. in Inches)
	Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)			
Part No.	V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	I_Z (mA)	Bulk/Reel	
BZX55C20	20	18.8	21.2	5.0	55	220	1.0	0.1	15	20	1000/ 10000	
BZX55C22	22	20.8	23.3	5.0	55	220	1.0	0.1	17	18		
BZX55C24	24	22.8	25.6	5.0	80	220	1.0	0.1	18	16		
BZX55C27	27	25.1	28.9	5.0	80	220	1.0	0.1	20	14		
BZX55C30	30	28	32	5.0	80	220	1.0	0.1	22	13		
BZX55C33	33	31	35	5.0	80	220	1.0	0.1	24	12		
BZX55C36	36	34	38	5.0	80	220	1.0	0.1	27	11		
BZX55C39	39	37	41	2.5	90	500	0.5	0.1	30	10		
BZX55C43	43	40	46	2.5	90	600	0.5	0.1	33	9.2		
BZX55C47	47	44	50	2.5	110	700	0.5	0.1	36	8.5		
BZX55C51	51	48	54	2.5	125	700	0.5	0.1	39	7.5		
BZX55C56	56	52.0	60.0	2.5	135	1000	0.5	0.1	43	-		
BZX55C62	62	58.0	66.0	2.5	150	1000	0.5	0.1	47	-		
BZX55C68	68	64.0	72.0	2.5	200	1000	0.5	0.1	51	-		
BZX55C75	75	70.0	80.0	2.5	250	1500	0.5	0.1	56	-		
BZX55C82	82	77.0	87.0	2.5	300	2000	0.5	0.1	62	-		
BZX55C91	91	85.0	96.0	1.0	450	5000	0.1	0.1	68	-		
BZX55C100	100	94.0	106.0	1.0	450	5000	0.1	0.1	75	-		
BZX55C110	110	104.0	116.0	1.0	600	5000	0.1	0.1	82.0	-		
BZX55C120	120	114.0	127.0	1.0	800	5000	0.1	0.1	91.0	-		
ZPD2.7	2.7	2.5	2.9	5.0	83	500	1.0	-	-	160	1000/ 10000	
ZPD3	3.0	2.8	3.2	5.0	95	500	1.0	-	-	140		
ZPD3.3	3.3	3.1	3.5	5.0	95	500	1.0	-	-	130		
ZPD3.6	3.6	3.4	3.8	5.0	95	500	1.0	-	-	120		
ZPD3.9	3.9	3.7	4.1	5.0	95	500	1.0	-	-	110		
ZPD4.3	4.3	4.0	4.6	5.0	95	500	1.0	-	-	100		
ZPD4.7	4.7	4.4	5.0	5.0	78	500	1.0	-	-	90		
ZPD5.1	5.1	4.8	5.4	5.0	60	480	1.0	0.1	0.8	80		
ZPD5.6	5.6	5.2	6.0	5.0	40	400	1.0	0.1	1.0	70		
ZPD6.2	6.2	5.8	6.6	5.0	10	200	1.0	0.1	2.0	64		
ZPD6.8	6.8	6.4	7.2	5.0	8	150	1.0	0.1	3.0	58		
ZPD7.5	7.5	7.0	7.9	5.0	7	50	1.0	0.1	5.0	53		
ZPD8.2	8.2	7.7	8.7	5.0	7	50	1.0	0.1	6.0	47		
ZPD9.1	9.1	8.5	9.6	5.0	10	50	1.0	0.1	7.0	43		
ZPD10	10	9.4	10.6	5.0	15	70	1.0	0.1	7.5	40		
ZPD11	11	10.4	11.6	5.0	20	70	1.0	0.1	8.5	36		
ZPD12	12	11.4	12.7	5.0	20	90	1.0	0.1	9.0	32		

1W	Nominal Zener Voltage @I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I _R @ V _R		Max. Zener Current	Package	Outline (Typ. in Inches)		
	Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)				I _Z (mA)	
Part No.	V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	I _Z (mA)	Bulk/Reel			
1N4728A	3.3	3.14	3.47	76.0	10.0	400	1.00	100.0	1.0	276	1000/5000			
1N4729A	3.6	3.42	3.78	69.0	10.0	400	1.00	100.0	1.0	252				
1N4730A	3.9	3.71	4.10	64.0	9.0	400	1.00	50.0	1.0	234				
1N4731A	4.3	4.09	4.52	58.0	9.0	400	1.00	10.0	1.0	217				
1N4732A	4.7	4.47	4.94	53.0	8.0	500	1.00	10.0	1.0	193				
1N4733A	5.1	4.85	5.36	49.0	7.0	550	1.00	10.0	1.0	178				
1N4734A	5.6	5.32	5.88	45.0	5.0	600	1.00	10.0	2.0	162				
1N4735A	6.2	5.89	6.51	41.0	2.0	700	1.00	10.0	3.0	146				
1N4736A	6.8	6.46	7.14	37.0	3.5	700	1.00	10.0	4.0	133				
1N4737A	7.5	7.13	7.88	34.0	4.0	700	0.50	10.0	5.0	121				
1N4738A	8.2	7.79	8.61	31.0	4.5	700	0.50	10.0	6.0	110				
1N4739A	9.1	8.65	9.56	28.0	5.0	700	0.50	10.0	7.0	100				
1N4740A	10	9.5	10.5	25.0	7.0	700	0.25	10.0	7.6	91				
1N4741A	11	10.45	11.55	23.0	8.0	700	0.25	5.0	8.4	83				
1N4742A	12	11.4	12.6	21.0	3.0	700	0.25	5.0	9.1	76				
1N4743A	13	12.35	13.65	19.0	10.0	700	0.25	5.0	9.9	69				
1N4744A	15	14.25	15.75	17.0	14.0	700	0.25	5.0	11.4	61				
1N4745A	16	15.2	16.8	15.5	16.0	700	0.25	5.0	12.2	57				
1N4746A	18	17.1	18.9	14.0	20.0	750	0.25	5.0	13.7	50				
1N4747A	20	19	21	12.5	22.0	750	0.25	5.0	15.2	45				
1N4748A	22	20.9	23.1	11.5	23.0	750	0.25	5.0	16.7	41				
1N4749A	24	22.8	25.2	10.5	25.0	750	0.25	5.0	18.2	38				
1N4750A	27	25.65	28.35	9.5	35.0	750	0.25	5.0	20.6	34				
1N4751A	30	28.5	31.5	8.5	40.0	1000	0.25	5.0	22.8	30				
1N4752A	33	31.35	34.65	7.5	45.0	1000	0.25	5.0	25.1	27				
1N4753A	36	34.2	37.8	7.0	50.0	1000	0.25	5.0	27.4	25				
1N4754A	39	37.05	40.95	6.5	60.0	1000	0.25	5.0	29.7	23				
1N4755A	43	40.85	45.15	6.0	70.0	1500	0.25	5.0	32.7	22				
1N4756A	47	44.65	49.35	5.5	80.0	1500	0.25	5.0	35.8	19				
1N4757A	51	48.45	53.55	5.0	95.0	1500	0.25	5.0	38.8	18				
1N4758A	56	53.2	58.8	4.5	110.0	2000	0.25	5.0	42.6	16				
1N4759A	62	58.9	65.1	4.0	125.0	2000	0.25	5.0	47.1	14				
1N4760A	68	64.6	71.4	3.7	150.0	2000	0.25	5.0	51.7	13				
1N4761A	75	71.25	78.75	3.3	175.0	2000	0.25	5.0	56.0	12				
1N4762A	82	77.9	86.1	3.0	200.0	3000	0.25	5.0	62.2	11				
1N4763A	91	86.45	95.55	2.8	250.0	3000	0.25	5.0	69.2	10				
1N4764A	100	95	105	2.5	350.0	3000	0.25	5.0	76.0	9				
TZ100B	100	95	105	5.0	350	3000	0.25	0.5	75	-			1000/5000	
TZ110B	110	104.5	115.5	5.0	450	4000	0.25	0.5	80	-				
TZ115B	115	109.25	120.75	5.0	500	4250	0.25	0.5	85	-				
TZ120B	120	114	126	5.0	550	4500	0.25	0.5	90	-				
TZ130B	130	123.5	136.5	5.0	700	5000	0.25	0.5	95	-				
TZ135B	135	128.25	141.75	5.0	750	5250	0.25	0.5	100	-				
TZ140B	140	133	147	5.0	800	5500	0.25	0.5	105	-				
TZ150B	150	142.5	157.5	5.0	1000	6000	0.25	0.5	110	-				
TZ160B	160	152	168	5.0	1100	6500	0.25	0.5	120	-				
TZ170B	170	161.5	178.5	5.0	1200	6750	0.25	0.5	130	-				
TZ180B	180	171	189	5.0	1300	7000	0.25	0.5	140	-				
TZ190B	190	180.5	199.5	5.0	1500	7500	0.25	0.5	150	-				
TZ200B	200	190	210	5.0	1700	8000	0.25	0.5	160	-				
TZ240B	240	228	252	5.0	2200	8500	0.25	0.5	180	-				
TZ270B	270	256.5	283.5	5.0	2500	8750	0.25	0.5	200	-				
TZ300B	300	285	315	5.0	3000	9000	0.25	0.5	220	-				
TZ330B	330	313.5	346.5	5.0	4000	9500	0.25	0.5	240	-				



Zener Diodes - 1.3W

Zener

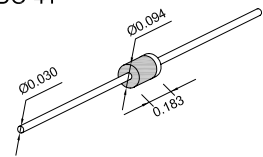
1.3W	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Max. Zener Current	Package	Outline (Typ. in Inches)
	Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)			
Part No.	V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	I_Z (mA)	Bulk/Reel	
BZX85C3V3	3.3	3.1	3.5	80	20.0	400	1.0	40	1.0	-		
BZX85C3V6	3.6	3.4	3.8	60	20.0	500	1.0	20	1.0	290		
BZX85C3V9	3.9	3.7	4.1	60	15.0	500	1.0	10	1.0	280		
BZX85C4V3	4.3	4.0	4.6	50	13.0	500	1.0	3	1.0	250		
BZX85C4V7	4.7	4.4	5.0	45	13.0	600	1.0	3	1.0	215		
BZX85C5V1	5.1	4.8	5.4	45	10.0	500	1.0	1	1.5	200		
BZX85C5V6	5.6	5.2	6.0	45	7.0	400	1.0	1	2.0	190		
BZX85C6V2	6.2	5.8	6.6	35	4.0	300	1.0	1	3.0	170		
BZX85C6V8	6.8	6.4	7.2	35	3.5	300	1.0	1	4.0	155		
BZX85C7V5	7.5	7.0	7.9	35	3.0	200	1.0	1	4.5	140		
BZX85C8V2	8.2	7.7	8.7	25	5.0	200	0.5	1	6.2	130		
BZX85C9V1	9.1	8.5	9.6	25	5.0	200	0.5	1	6.8	120		
BZX85C10	10	9.4	10.6	25	7.0	200	0.5	0.5	7.0	105		
BZX85C11	11	10.4	11.6	20	8.0	300	0.5	0.5	8.2	97		
BZX85C12	12	11.4	12.7	20	9.0	350	0.5	0.5	9.1	88		
BZX85C13	13	12.4	14.1	20	10.0	400	0.5	0.5	10	79		
BZX85C15	15	13.8	15.6	15	15.0	500	0.5	0.5	11	71	1000/5000	
BZX85C16	16	15.3	17.1	15	15.0	500	0.5	0.5	12	66		
BZX85C18	18	16.8	19.1	15	20.0	500	0.5	0.5	13	62		
BZX85C20	20	18.8	21.2	10	24.0	600	0.5	0.5	15	56		
BZX85C22	22	20.8	23.3	10	25.0	600	0.5	0.5	16	52		
BZX85C24	24	22.8	25.6	10	25.0	600	0.5	0.5	18	47		
BZX85C27	27	25.1	28.9	8	30.0	750	0.25	0.5	20	41		
BZX85C30	30	28	32	8	30.0	1000	0.25	0.5	22	36		
BZX85C33	33	31	35	8	35.0	1000	0.25	0.5	24	33		
BZX85C36	36	34	38	8	40.0	1000	0.25	0.5	27	30		
BZX85C39	39	37	41	6	50.0	1000	0.25	0.5	30	28		
BZX85C43	43	40	46	6	50.0	1000	0.25	0.5	33	26		
BZX85C47	47	44	50	4	90.0	1500	0.25	0.5	36	23		
BZX85C51	51	48	54	4	115.0	1500	0.25	0.5	39	21		
BZX85C56	56	52	60	4	120.0	2000	0.25	0.5	43	19		
BZX85C62	62	58	66	4	125.0	2000	0.25	0.5	47	16		
ZPY8.2	8.2	7.7	8.7	100	2	-	-	0.5	6.0	127		
ZPY16	16	15.3	17.1	25.0	10	-	-	0.5	12.0	63		
ZPY18	18	16.8	19.1	25.0	11	-	-	0.5	14.0	57		
ZPY20	20	18.8	21.2	25.0	12	-	-	0.5	15.0	52	1000/5000	
ZPY22	22	20.8	23.3	25.0	13	-	-	0.5	17.0	48		
ZPY24	24	22.8	25.6	25.0	14	-	-	0.5	18.0	42		
ZPY82	82	77	88	10.0	160	-	-	0.5	61.0	12		

Zener Diodes - 1.5W

Zener

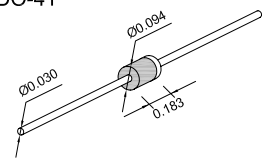
1.5W	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Max. Zener Current	Package	Outline (Typ. in Inches)
	Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)			
Part No.	V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	I_{ZM} (mA)	Bulk/Reel	
1N5913B	3.3	3.1	3.5	113.6	10.0	500	1.00	100.0	1.0	454		
1N5914B	3.6	3.4	3.8	104.2	9.0	500	1.00	75.0	1.0	416		
1N5915B	3.9	3.7	4.1	96.1	7.5	500	1.00	25.0	1.0	384		
1N5916B	4.3	4.0	4.6	87.2	6.0	500	1.00	5.0	1.0	348		
1N5917B	4.7	4.4	5.0	79.8	5.0	500	1.00	5.0	1.5	319		
1N5918B	5.1	4.8	5.4	73.5	4.0	350	1.00	5.0	2.0	294		
1N5919B	5.6	5.2	6.0	66.9	2.0	250	1.00	5.0	3.0	267		
1N5920B	6.2	5.8	6.6	60.5	2.0	200	1.00	5.0	4.0	241		
1N5921B	6.8	6.46	7.14	55.1	2.5	200	1.00	5.0	5.2	220		
1N5922B	7.5	7.13	7.88	50.0	3.0	400	0.50	5.0	6.0	200		
1N5923B	8.2	7.79	8.61	45.7	3.5	400	0.50	5.0	6.5	182		
1N5924B	9.1	8.65	9.56	41.2	4.0	500	0.50	5.0	7.0	164		
1N5925B	10	9.5	10.5	37.5	4.5	500	0.25	5.0	8.0	150		
1N5926B	11	10.45	11.55	34.1	5.5	550	0.25	1.0	8.4	136		
1N5927B	12	11.4	12.6	31.2	6.5	550	0.25	1.0	9.1	125		
1N5928B	13	12.35	13.65	28.8	7.0	550	0.25	1.0	9.9	115		
1N5929B	15	14.25	15.75	25.0	9.0	600	0.25	1.0	11.4	100		
1N5930B	16	15.2	16.8	23.4	10.0	600	0.25	1.0	12.2	93		
1N5931B	18	17.1	18.9	20.8	12.0	650	0.25	1.0	13.7	83		
1N5932B	20	19	21	18.7	14.0	650	0.25	1.0	15.2	75		
1N5933B	22	20.9	23.1	17.0	17.5	650	0.25	1.0	16.7	68		
1N5934B	24	22.8	25.2	15.6	19.0	700	0.25	1.0	18.2	62		
1N5935B	27	25.65	28.35	13.9	23.0	700	0.25	1.0	20.6	55		
1N5936B	30	28.5	31.5	12.5	28.0	750	0.25	1.0	22.8	50		
1N5937B	33	31.35	34.65	11.4	33.0	800	0.25	1.0	25.1	45		
1N5938B	36	34.2	37.8	10.4	38.0	850	0.25	1.0	27.4	41		
1N5939B	39	37.05	40.95	9.6	45.0	900	0.25	1.0	29.7	38		
1N5940B	43	40.85	45.15	8.7	53.0	950	0.25	1.0	32.7	34		
1N5941B	47	44.65	49.35	8.0	67.0	1000	0.25	1.0	35.8	31		
1N5942B	51	48.45	53.55	7.3	70.0	1100	0.25	1.0	38.8	29		
1N5943B	56	53.2	58.8	6.7	86.0	1300	0.25	1.0	42.6	26		
BZY97-C10	10	9.4	10.6	50	4	-	-	0.5	5.0	-		
BZY97-C11	11	10.4	11.6	50	7	-	-	0.5	5.0	129		
BZY97-C12	12	11.4	12.7	50	7	-	-	0.5	7.0	118		
BZY97-C13	13	12.4	14.1	50	10	-	-	0.5	7.0	106		
BZY97-C15	15	13.8	15.8	50	10	-	-	0.5	10	96		
BZY97-C16	16	15.3	17.1	25	15	-	-	0.5	10	88		
BZY97-C18	18	16.8	19.1	25	15	-	-	0.5	10	79		
BZY97-C20	20	18.8	21.2	25	15	-	-	0.5	10	71		
BZY97-C22	22	20.8	23.3	25	15	-	-	0.5	12	64		
BZY97-C24	24	22.8	25.6	25	15	-	-	0.5	12	59		
BZY97-C27	27	25.1	28.9	25	15	-	-	0.5	14	52		
BZY97-C30	30	28	32	25	15	-	-	0.5	14	47		
BZY97-C33	33	31	35	25	15	-	-	0.5	17	43		
BZY97-C36	35	34	38	10	40	-	-	0.5	17	40		
BZY97-C39	39	37	41	10	40	-	-	0.5	20	37		
BZY97-C43	43	40	46	10	45	-	-	0.5	20	33		
BZY97-C47	47	44	50	10	45	-	-	0.5	24	30		
BZY97-C51	51	48	54	10	60	-	-	0.5	24	28		
BZY97-C56	56	52	60	10	60	-	-	0.5	28	25		
BZY97-C62	62	58	66	10	80	-	-	0.5	28	23		
BZY97-C68	68	64	72	10	80	-	-	0.5	34	21		
BZY97-C75	75	70	79	10	100	-	-	0.5	34	-		
BZY97-C82	82	77	88	10	100	-	-	0.5	41	-		

DO-41



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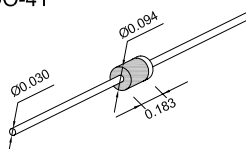
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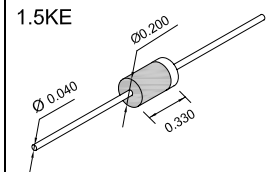
Zener Diodes - 2W

Zener

2W	Nominal Zener Voltage @ I_{ZT}			Test Current	Dynamic Resistance @ I_{ZT}	Maximum Reverse Leakage Current V_R @ I_R		Max. Zener Current	Package	Outline (Typ. in Inches)
	Nom.	Min.	Max.			I_R (μ A)	V_R (V)			
Part No.	V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	R_{ZT} (Ω)	I_R (μ A)	V_R (V)	I_Z (mA)	Bulk/Reel	
ZY11	11	10.4	11.6	50	7	0.5	9.2	135	1000/5000	DO-41 
ZY12	12	11.4	12.7	50	7	0.5	10.0	120		
ZY13	13	12.4	14.1	50	10	0.5	10.7	110		
ZY15	15	13.8	15.8	50	10	0.5	12.0	98.0		
ZY16	16	15.3	17.1	25	15	0.5	13.3	90.0		
ZY18	18	16.8	19.1	25	15	0.5	14.7	80.0		
ZY20	20	18.8	21.2	25	15	0.5	16.5	72.0		
ZY22	22	20.8	23.2	25	15	0.5	18.3	66.0		
ZY24	24	22.8	25.6	25	15	0.5	20.1	60.0		
ZY27	27	25.1	28.9	25	15	0.5	22.5	53.0		
ZY30	30	28	32	25	15	0.5	25.1	48.0		
ZY33	33	31	35	25	15	0.5	27.8	44.0		
ZY36	36	34	38	10	40	0.5	30.2	40.0		
ZY39	39	37	41	10	40	0.5	32.9	37.0		
ZY43	43	40	46	10	45	0.5	35.6	33.0		
ZY47	47	44	50	10	45	0.5	39.2	30.0		
ZY51	51	48	54	10	60	0.5	42.8	27.0		
ZY56	56	52	60	10	60	0.5	47.3	25.0		
ZY62	62	58	66	10	80	0.5	51.7	21.0		
ZY68	68	64	72	10	80	0.5	57.1	20.0		
ZY75	75	70	79	10	100	0.5	63.2	18.0		
ZY82	82	77	88	10	100	0.5	68.6	16.0		
ZY91	91	85	96	5	200	0.5	75.7	15.0		
ZY100	100	94	106	5	200	0.5	83.7	13.0		
ZY110	110	104	116	5	250	0.5	92.6	12.0		
ZY120	120	114	127	5	250	0.5	101.6	11.0		
ZY130	130	124	141	5	300	0.5	110.5	10.0		
ZY150	150	138	156	5	300	0.5	123.0	9.0		
ZY160	160	153	171	5	350	0.5	136.0	8.5		
ZY180	180	168	191	5	350	0.5	149.0	8.0		
ZY200	200	188	212	5	350	0.5	167.0	7.5		

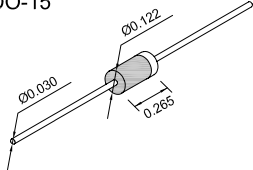
5W	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Maximum Reverse Leakage Current I_R @ V_R		Max. Zener Current	Package	Outline (Typ. in Inches)
	Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μA)	V_R (V)			
Part No.	V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μA)	V_R (V)	I_{ZM} (mA)	Bulk/Reel	
1N5333B	3.3	3.14	3.47	380.0	3.0	400	1.0	300.0	1.0	1440.0		
1N5334B	3.6	3.42	3.78	350.0	2.5	500	1.0	150.0	1.0	1320.0		
1N5335B	3.9	3.71	4.10	320.0	2.0	500	1.0	50.0	1.0	1220.0		
1N5336B	4.3	4.09	4.52	290.0	2.0	500	1.0	10.0	1.0	1100.0		
1N5337B	4.7	4.47	4.94	260.0	2.0	450	1.0	5.0	1.0	1010.0		
1N5338B	5.1	4.85	5.36	240.0	1.5	400	1.0	1.0	1.0	930.0		
1N5339B	5.6	5.32	5.88	220.0	1.0	400	1.0	1.0	2.0	865.0		
1N5340B	6.0	5.70	6.30	200.0	1.0	300	1.0	1.0	3.0	790.0		
1N5341B	6.2	5.89	6.51	200.0	1.0	200	1.0	1.0	3.0	765.0		
1N5342B	6.8	6.46	7.14	175.0	1.0	200	1.0	10.0	5.2	700.0		
1N5343B	7.5	7.13	7.88	175.0	1.5	200	1.0	10.0	5.7	630.0		
1N5344B	8.2	7.79	8.61	150.0	1.5	200	1.0	10.0	6.2	580.0		
1N5345B	8.7	8.27	9.14	150.0	2.0	200	1.0	10.0	6.6	545.0		
1N5346B	9.1	8.65	9.56	150.0	2.0	150	1.0	7.5	6.9	520.0		
1N5347B	10	9.50	10.50	125.0	2.0	125	1.0	5.0	7.6	475.0		
1N5348B	11	10.45	11.55	125.0	2.5	125	1.0	5.0	8.4	430.0		
1N5349B	12	11.4	12.6	100.0	2.5	125	1.0	2.0	9.1	395.0		
1N5350B	13	12.35	13.65	100.0	2.5	100	1.0	1.0	9.9	365.0		
1N5351B	14	13.3	14.7	100.0	2.5	75	1.0	1.0	10.6	340.0		
1N5352B	15	15.25	15.75	75.0	2.5	75	1.0	1.0	11.5	315.0		
1N5353B	16	15.2	16.8	75.0	2.5	75	1.0	1.0	12.2	295.0		
1N5354B	17	16.15	17.85	70.0	2.5	75	1.0	0.5	12.9	280.0		
1N5355B	18	17.1	18.9	65.0	2.5	75	1.0	0.5	13.7	264.0		
1N5356B	19	18.05	19.95	65.0	3.0	75	1.0	0.5	14.4	250.0		
1N5357B	20	19.0	21.0	65.0	3.0	75	1.0	0.5	15.2	237.0		
1N5358B	22	20.9	23.1	50.0	3.5	75	1.0	0.5	16.7	216.0		
1N5359B	24	22.8	25.2	50.0	3.5	100	1.0	0.5	18.2	198.0		
1N5360B	25	23.75	26.25	50.0	4.0	110	1.0	0.5	19.0	190.0		
1N5361B	27	25.65	28.35	50.0	5.0	120	1.0	0.5	20.6	176.0		
1N5362B	28	26.6	29.4	50.0	6.0	130	1.0	0.5	21.2	170.0		
1N5363B	30	28.5	31.5	40.0	8.0	140	1.0	0.5	22.8	158.0		
1N5364B	33	31.35	34.65	40.0	10.0	150	1.0	0.5	25.1	144.0		
1N5365B	36	34.2	37.8	30.0	11.0	160	1.0	0.5	27.4	132.0		
1N5366B	39	37.05	40.95	30.0	14.0	170	1.0	0.5	29.7	122.0		
1N5367B	43	40.85	45.15	30.0	20.0	190	1.0	0.5	32.7	110.0		
1N5368B	47	44.65	49.35	25.0	25.0	210	1.0	0.5	35.8	100.0		
1N5369B	51	48.45	53.55	25.0	27.0	230	1.0	0.5	38.8	93.0		
1N5370B	56	53.2	58.8	20.0	35.0	280	1.0	0.5	42.6	86.0		
1N5371B	60	57.0	63.0	20.0	40.0	350	1.0	0.5	45.5	79.0		
1N5372B	62	58.9	65.1	20.0	42.0	400	1.0	0.5	47.1	76.0		
1N5373B	68	64.6	71.4	20.0	44.0	500	1.0	0.5	51.7	70.0		
1N5374B	75	71.25	78.75	20.0	45.0	620	1.0	0.5	56.0	63.0		
1N5375B	82	77.9	86.1	15.0	65.0	720	1.0	0.5	62.2	58.0		
1N5376B	87	82.65	91.35	15.0	75.0	760	1.0	0.5	66.0	54.5		
1N5377B	91	86.45	95.55	15.0	75.0	760	1.0	0.5	69.2	52.5		
1N5378B	100	95	105	12.0	90.0	800	1.0	0.5	76.0	47.5		
1N5379B	110	104.5	115.5	12.0	125.0	1000	1.0	0.5	83.6	43.0		
1N5380B	120	114	126	10.0	170.0	1150	1.0	0.5	91.2	39.5		
1N5381B	130	123.5	136.5	10.0	190.0	1250	1.0	0.5	98.8	36.6		
1N5382B	140	133	147	8.0	230.0	1500	1.0	0.5	106.0	34.0		
1N5383B	150	142.5	157.5	8.0	330.0	1500	1.0	0.5	114.0	31.6		
1N5384B	160	152	168	8.0	350.0	1650	1.0	0.5	122.0	29.4		
1N5385B	170	161.5	178.5	8.0	380.0	1750	1.0	0.5	129.0	28.0		
1N5386B	180	171	189	5.0	430.0	1750	1.0	0.5	137.0	26.4		
1N5387B	190	180.5	199.5	5.0	450.0	1850	1.0	0.5	144.0	25.0		
1N5388B	200	190	210	5.0	480.0	1850	1.0	0.5	152.0	23.6		

1000/1400



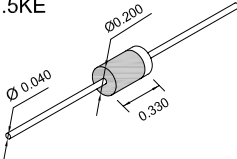
Low Capacitance TVS - 500W

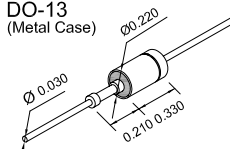
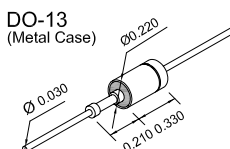
TVS

500 W	Min. Breakdown Voltage @ Test Current		Stand-off Voltage	Max. Reverse Leakage @ V_{WM}	Max. Clamping Voltage @ $I_{PP}=5.0A$	Max. Peak Pulse Current @ 10/1000 μ s	Max. Junction Capacitance @ 0 V	Peak Inverse Blocking Voltage	Package	Outline (Typ. in Inches)
	Part No.	$V_{BR}(V)$								
SAC5.0	7.60	1.0	5.0	300.0	10.0	44.0	50	100	4000	DO-15 
SAC6.0	7.90	1.0	6.0	300.0	11.2	41.0	50	100		
SAC7.0	8.33	1.0	7.0	300.0	12.6	38.0	50	100		
SAC8.0	8.89	1.0	8.0	100.0	13.4	36.0	50	100		
SAC8.5	9.44	1.0	8.5	50.0	14.0	34.0	50	100		
SAC10	11.10	1.0	10.0	5.0	16.3	29.0	50	100		
SAC12	13.30	1.0	12.0	5.0	19.0	25.0	50	100		
SAC15	16.70	1.0	15.0	5.0	23.6	20.0	50	100		
SAC18	20.00	1.0	18.0	5.0	28.8	15.0	50	100		
SAC22	24.40	1.0	22.0	5.0	35.4	14.0	50	100		
SAC26	28.90	1.0	26.0	5.0	42.3	11.1	50	100		
SAC30	33.30	1.0	30.0	5.0	48.6	10.0	50	100		
SAC36	40.00	1.0	36.0	5.0	60.0	8.6	50	100		
SAC45	50.00	1.0	45.0	5.0	77.0	6.8	50	200		
SAC50	55.50	1.0	50.0	5.0	88.0	5.8	50	200		

Low Capacitance TVS - 1500W

TVS

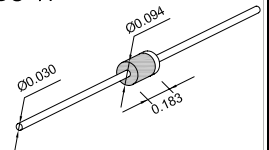
1500 W	Breakdown Voltage @ Test Current			Stand-off Voltage	Max. Reverse Leakage @ V_{WM}	Max. Clamping Voltage @ I_{PPM}	Max. Peak Pulse Current @ 10/1000 μ s	Max. Junction Capacitance @ 0 Volts	Peak Inverse Blocking Voltage	Package	Outline (Typ. in Inches)
	Part No.	$V_{BR}(V)$	$V_{BR}(V)$								
LCE6.5A	7.22	7.98	10.0	6.5	1000.0	11.2	100.0	100	100	1400	1.5KE 
LCE7.0A	7.78	8.60	10.0	7.0	500.0	12.0	100.0	100	100		
LCE7.5A	8.33	9.21	10.0	7.5	100.0	12.9	100.0	100	100		
LCE8.0A	8.89	9.83	1.0	8.0	100.0	13.6	100.0	100	100		
LCE8.5A	9.44	10.40	1.0	8.5	50.0	14.4	100.0	100	100		
LCE9.0A	10.00	11.10	1.0	9.0	10.0	15.4	97.0	100	100		
LCE10A	11.10	12.30	1.0	10.0	5.0	17.0	88.0	100	100		
LCE11A	12.20	13.50	1.0	11.0	5.0	18.2	82.0	100	100		
LCE12A	13.30	14.70	1.0	12.0	5.0	19.9	75.0	100	100		
LCE13A	14.40	15.90	1.0	13.0	5.0	21.5	70.0	100	100		
LCE14A	15.60	17.20	1.0	14.0	5.0	23.2	65.0	100	100		
LCE15A	16.70	18.50	1.0	15.0	5.0	24.4	61.0	100	100		
LCE16A	17.80	19.70	1.0	16.0	5.0	26.0	57.0	100	100		
LCE17A	18.90	20.90	1.0	17.0	5.0	27.6	54.0	100	100		
LCE18A	20.00	22.10	1.0	18.0	5.0	29.2	51.0	100	100		
LCE20A	22.20	24.50	1.0	20.0	5.0	32.4	46.0	100	100		
LCE22A	24.40	26.90	1.0	22.0	5.0	35.5	42.0	100	100		
LCE24A	26.70	29.50	1.0	24.0	5.0	38.9	39.0	100	100		
LCE26A	28.90	31.90	1.0	26.0	5.0	42.1	36.0	100	100		
LCE28A	31.10	34.40	1.0	28.0	5.0	45.5	33.0	100	100		
LCE30A	33.30	36.80	1.0	30.0	5.0	48.4	31.0	100	100		
LCE33A	36.70	40.60	1.0	33.0	5.0	53.3	28.1	100	100		
LCE36A	40.00	44.20	1.0	36.0	5.0	58.1	25.8	100	100		
LCE40A	44.40	49.10	1.0	40.0	5.0	64.5	23.3	100	100		
LCE43A	47.80	52.80	1.0	43.0	5.0	69.4	21.6	100	200		
LCE45A	50.00	55.30	1.0	45.0	5.0	72.7	20.6	100	200		
LCE48A	53.30	58.90	1.0	48.0	5.0	77.4	19.4	100	200		
LCE51A	56.70	62.70	1.0	51.0	5.0	82.4	18.2	100	200		
LCE54A	60.00	66.30	1.0	54.0	5.0	87.1	17.2	100	200		
LCE58A	64.40	71.20	1.0	58.0	5.0	93.6	16.0	100	200		
LCE60A	66.70	73.70	1.0	60.0	5.0	96.8	15.5	100	200		
LCE64A	71.10	78.60	1.0	64.0	5.0	103.0	14.6	100	200		

1500 W		Breakdown Voltage @ Test Current			Stand-off Voltage	Max. Reverse Leakage Current @ V_{WM}	Max. Clamping Voltage @ I_{PPM}	Max. Peak Pulse Current @ 10/1000 μ s	Package	Outline (Typ. in Inches)
Part No.		$V_{BR}(V)$		$I_T(mA)$						
Uni-Polar	Bi-Polar	Min.	Max.		$V_{WM}(V)$	$I_D(\mu A)$	$V_C(V)$	$I_{PPM}(A)$	Bulk/Reel	
1N5629	-	6.12	7.48	10	5.5	1000	10.8	139	1000/ 1400	
1N5629A	-	6.45	7.14	10	5.8	1000	10.5	143		
1N5630	-	6.74	8.25	10	6.05	500	11.7	128		
1N3630A	-	7.13	7.88	10	6.4	500	11.3	132		
1N5631	-	7.38	9.02	10	6.63	200	12.5	120		
1N5631A	-	7.79	8.61	10	7.02	200	12.1	124		
1N5632	-	8.19	10	1	7.37	50	13.8	109		
1N5632A	-	8.65	9.56	1	7.78	50	13.4	112		
1N5633	-	9.0	11	1	8.1	10	15.0	100		
1N5633A	-	9.5	10.5	1	8.55	10	14.5	103		
1N5634	-	9.9	12.1	1	8.92	5	16.2	93		
1N5634A	-	10.5	11.6	1	9.4	5	15.6	96		
1N5635	-	10.8	13.2	1	9.72	5	17.3	87		
1N5635A	-	11.4	12.6	1	10.2	5	16.7	90		
1N5636	-	11.7	14.3	1	10.5	5	19.0	79		
1N5636A	-	12.4	13.7	1	11.1	5	18.2	82		
1N5637	-	13.5	16.5	1	12.1	5	22.0	68		
1N5637A	-	14.3	15.8	1	12.8	5	21.2	71		
1N5638	-	14.4	17.6	1	12.9	5	23.5	64		
1N5638A	-	15.2	16.8	1	13.6	5	22.5	67		
1N5639	-	16.2	19.8	1	14.5	5	26.5	56.5		
1N5639A	-	17.1	18.9	1	15.3	5	25.2	59.5		
1N5640	-	18	22	1	16.2	5	29.1	51.5		
1N5640A	-	19	21	1	17.1	5	27.7	54		
1N5641	-	19.8	24.2	1	17.8	5	31.9	47		
1N5641A	-	20.9	23.1	1	18.8	5	30.6	49		
1N5642	-	21.6	26.4	1	19.4	5	34.7	43		
1N5642A	-	22.8	25.2	1	20.5	5	33.2	45		
1N5643	-	24.3	29.7	1	21.8	5	39.1	38.5		
1N5643A	-	25.7	28.4	1	23.1	5	37.5	40		
1N5644	-	27	33	1	24.3	5	43.5	34.5		
1N5644A	-	28.5	31.5	1	25.6	5	41.4	36		
1N5645	-	29.7	36.3	1	26.8	5	47.7	31.5		
1N5645A	-	31.4	34.7	1	28.2	5	45.7	33		
1N5646	-	32.4	39.6	1	29.1	5	52	29		
1N5646A	-	34.2	37.8	1	30.8	5	49.9	30		
1N5647	-	35.1	42.9	1	31.6	5	56.4	26.5		
1N5647A	-	37.1	41	1	33.3	5	53.9	28		
1N5648	-	38.7	47.3	1	34.8	5	61.9	24		
1N5648A	-	40.9	45.2	1	36.1	5	59.3	25.3		
1N5650	-	45.9	56.1	1	41.3	5	73.5	20.4		
1N5658A	-	105	116	1	94	5	152	9.9		
1N5659A	-	114	126	1	102	5	165	9.1		
1N5663A	-	162	170	1	145	5	234	6.4		
1N5664A	-	171	189	1	154	5	246	6.1		
1N6037A	-	7.79	8.61	10	7	5	12.1	124	1000/ 1400	
1N6038	-	8.19	10	10	7	5	13.8	109		
1N6047	-	19.8	24.2	1	17	5	31.9	47		
1N6049A	-	25.7	28.4	1	22	5	37.5	40		
1N6050	-	27.0	33.0	1	24	5	43.5	34.5		
1N6050A	-	28.5	31.5	1	25	5	47.4	36		
1N6051	-	29.7	36.3	1	26	5	47.7	31.5		
1N6052	-	32.4	39.6	1	29	5	52.0	29		
1N6060	-	67.5	82.5	1	60	5	108	13.9		

400 W		Breakdown Voltage @ Test Current			Stand-off Voltage	Max. Reverse Leakage Current @ V_{WM}	Max. Clamping Voltage @ I_{PPM}	Max. Peak Pulse Current @ 10/1000 μ s	Package	Outline (Typ. in Inches)
Part No.		$V_{BR}(V)$		$I_T(mA)$						
Uni-Polar	Bi-Polar	Min.	Max.		$V_{WM}(V)$	$I_D(\mu A)$	$V_C(V)$	$I_{PPM}(A)$	Bulk/Reel	
P4KE6.8A	P4KE6.8CA	6.45	7.14	10.0	5.80	1000/2000	10.5	38.1		
P4KE7.5A	P4KE7.5CA	7.13	7.88	10.0	6.40	500/1000	11.3	35.4		
P4KE8.2A	P4KE8.2CA	7.79	8.61	10.0	7.02	200/400	12.1	33.1		
P4KE9.1A	P4KE9.1CA	8.65	9.55	1.0	7.78	50/100	13.4	29.9		
P4KE10A	P4KE10CA	9.50	10.50	1.0	8.55	10/20	14.5	27.6		
P4KE11A	P4KE11CA	10.50	11.60	1.0	9.40	5.0	15.6	25.6		
P4KE12A	P4KE12CA	11.40	12.60	1.0	10.20	5.0	16.7	24.0		
P4KE13A	P4KE13CA	12.40	13.70	1.0	11.10	5.0	18.2	23		
P4KE15A	P4KE15CA	14.30	15.80	1.0	12.80	5.0	21.2	20		
P4KE16A	P4KE16CA	15.20	16.80	1.0	13.60	5.0	22.5	19		
P4KE18A	P4KE18CA	17.10	18.90	1.0	15.30	5.0	25.5	17		
P4KE20A	P4KE20CA	19.00	21.00	1.0	17.10	5.0	27.7	15		
P4KE22A	P4KE22CA	20.90	23.10	1.0	18.80	5.0	30.6	14		
P4KE24A	P4KE24CA	22.80	25.20	1.0	20.50	5.0	33.2	13		
P4KE27A	P4KE27CA	25.70	28.40	1.0	23.10	5.0	37.5	11.2		
P4KE30A	P4KE30CA	28.50	31.50	1.0	25.60	5.0	41.4	10		
P4KE33A	P4KE33CA	31.40	34.70	1.0	28.20	5.0	45.7	9		
P4KE36A	P4KE36CA	34.20	37.80	1.0	30.80	5.0	49.9	8.4		
P4KE39A	P4KE39CA	37.10	41.00	1.0	33.30	5.0	53.9	7.8		
P4KE43A	P4KE43CA	40.90	45.20	1.0	36.80	5.0	59.3	7.1		
P4KE47A	P4KE47CA	44.70	49.40	1.0	40.20	5.0	64.8	6.5		
P4KE51A	P4KE51CA	48.50	53.60	1.0	43.60	5.0	70.1	6.0		
P4KE56A	P4KE56CA	53.20	58.80	1.0	47.80	5.0	77.0	5.5		
P4KE62A	P4KE62CA	58.90	65.10	1.0	53.00	5.0	85.0	5.0		
P4KE68A	P4KE68CA	64.60	71.40	1.0	58.10	5.0	92.0	4.6		
P4KE75A	P4KE75CA	71.30	78.80	1.0	64.10	5.0	103	4.1		
P4KE82A	P4KE82CA	77.90	86.10	1.0	70.10	5.0	113	3.7		
P4KE91A	P4KE91CA	86.50	95.50	1.0	77.80	5.0	125	3.4		
P4KE100A	P4KE100CA	95.00	105.00	1.0	85.50	5.0	137	3.1		
P4KE110A	P4KE110CA	105.00	116.00	1.0	94.00	5.0	152	2.8		
P4KE120A	P4KE120CA	114.00	126.00	1.0	102.00	5.0	165	2.5		
P4KE130A	P4KE130CA	124.00	137.00	1.0	111.00	5.0	179	2.3		
P4KE150A	P4KE150CA	143.00	158.00	1.0	128.00	5.0	207	2.0		
P4KE160A	P4KE160CA	152.00	168.00	1.0	136.00	5.0	219	1.9		
P4KE170A	P4KE170CA	162.00	179.00	1.0	145.00	5.0	234	1.8		
P4KE180A	P4KE180CA	171.00	189.00	1.0	154.00	5.0	246	1.7		
P4KE200A	P4KE200CA	190.00	210.00	1.0	171.00	5.0	274	1.53		
P4KE220A	P4KE220CA	209.00	231.00	1.0	185.00	5.0	328	1.22		
P4KE250A	P4KE250CA	237.00	267.00	1.0	214.00	5.0	344	1.16		
P4KE300A	P4KE300CA	285.00	315.00	1.0	256.00	5.0	414	0.97		
P4KE350A	P4KE350CA	332.00	368.00	1.0	300.00	5.0	482	0.83		
P4KE400A	P4KE400CA	380.00	420.00	1.0	342.00	5.0	548	0.73		
P4KE440A	P4KE440CA	418.00	462.00	1.0	376.00	5.0	600	0.67		
P4KE530A *	-	530.00	-	0.1	477.00	5.0	660@300mA	-		
P4KE550A *	-	550.00	-	0.1	495.00	5.0	660@300mA	-		

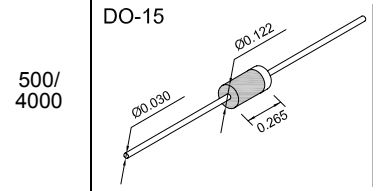
DO-41

1000/
5000



Electrical characteristics apply in both directions for Bi-directional type.
The I_D limit is doubled for all bi-directional types with V_{WM} under 10 Volts.
* 300W available in uni-directional only.

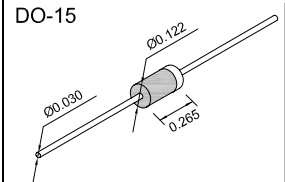
500 W		Breakdown Voltage @Test Current			Stand-off Voltage	Max. Reverse Leakage Current @ V_{WM}	Max. Clamping Voltage @ I_{PPM}	Max. Peak Pulse Current @ 10/1000 μ s	Package	Outline (Typ. in Inches)
Part No.		$V_{BR}(V)$		$I_T(mA)$						
Uni-Polar	Bi-Polar	Min.	Max.		$V_{WM}(V)$	$I_D(\mu A)$	$V_C(V)$	$I_{PPM}(A)$	Bulk/Reel	
SA5.0A	SA5.0CA	6.40	7.00	10.0	5.0	600/1200	9.2	55.4		
SA6.0A	SA6.0CA	6.67	7.37	10.0	6.0	600/1200	10.3	49.5		
SA6.5A	SA6.5CA	7.22	7.98	10.0	6.5	400/800	11.2	45.5		
SA7.0A	SA7.0CA	7.78	8.60	10.0	7.0	150/300	12.0	42.5		
SA7.5A	SA7.5CA	8.33	9.21	1.0	7.5	50/100	12.9	39.5		
SA8.0A	SA8.0CA	8.89	9.83	1.0	8.0	25/50	13.6	37.5		
SA8.5A	SA8.5CA	9.44	10.40	1.0	8.5	10/20	14.4	35.4		
SA9.0A	SA9.0CA	10.00	11.10	1.0	9.0	5/10	15.4	33.1		
SA10A	SA10CA	11.10	12.30	1.0	10.0	1.0	17.0	30.0		
SA11A	SA11CA	12.20	13.50	1.0	11.0	1.0	18.2	28.0		
SA12A	SA12CA	13.30	14.70	1.0	12.0	1.0	19.9	25.6		
SA13A	SA13CA	14.40	15.90	1.0	13.0	1.0	21.5	23.7		
SA14A	SA14CA	15.60	17.20	1.0	14.0	1.0	23.2	22.0		
SA15A	SA15CA	16.70	18.50	1.0	15.0	1.0	24.4	20.9		
SA16A	SA16CA	17.80	19.70	1.0	16.0	1.0	26.0	19.6		
SA17A	SA17CA	18.90	20.90	1.0	17.0	1.0	27.6	18.5		
SA18A	SA18CA	20.00	22.10	1.0	18.0	1.0	29.2	17.5		
SA20A	SA20CA	22.20	24.50	1.0	20.0	1.0	32.4	15.7		
SA22A	SA22CA	24.40	26.90	1.0	22.0	1.0	35.5	14.4		
SA24A	SA24CA	26.70	29.50	1.0	24.0	1.0	38.9	13.1		
SA26A	SA26CA	28.90	31.90	1.0	26.0	1.0	42.1	12.1		
SA28A	SA28CA	31.10	34.40	1.0	28.0	1.0	45.4	11.2		
SA30A	SA30CA	33.30	36.80	1.0	30.0	1.0	48.4	10.5		
SA33A	SA33CA	36.70	40.60	1.0	33.0	1.0	53.3	9.6		
SA36A	SA36CA	40.00	44.20	1.0	36.0	1.0	58.1	8.8		
SA40A	SA40CA	44.40	49.10	1.0	40.0	1.0	64.5	7.9		
SA43A	SA43CA	47.80	52.80	1.0	43.0	1.0	69.4	7.3		
SA45A	SA45CA	50.00	55.30	1.0	45.0	1.0	72.7	7.0		
SA48A	SA48CA	53.30	58.90	1.0	48.0	1.0	77.4	6.6		
SA51A	SA51CA	56.70	62.70	1.0	51.0	1.0	82.4	6.2		
SA54A	SA54CA	60.00	66.30	1.0	54.0	1.0	87.1	5.9		
SA58A	SA58CA	64.40	71.20	1.0	58.0	1.0	93.6	5.4		
SA60A	SA60CA	66.70	73.70	1.0	60.0	1.0	96.8	5.3		
SA64A	SA64CA	71.10	78.60	1.0	64.0	1.0	103.0	5.0		
SA70A	SA70CA	77.80	86.00	1.0	70.0	1.0	113.0	4.5		
SA75A	SA75CA	83.30	92.10	1.0	75.0	1.0	112.0	4.2		
SA78A	SA78CA	86.70	95.80	1.0	78.0	1.0	126.0	4.0		
SA85A	SA85CA	94.40	104.00	1.0	85.0	1.0	137.0	3.7		
SA90A	SA90CA	100.00	111.00	1.0	90.0	1.0	146.0	3.5		
SA100A	SA100CA	111.00	123.00	1.0	100.0	1.0	162.0	3.1		
SA110A	SA110CA	122.00	135.00	1.0	110.0	1.0	177.0	2.9		
SA120A	SA120CA	133.00	147.00	1.0	120.0	1.0	193.0	2.6		
SA130A	SA130CA	144.00	159.00	1.0	130.0	1.0	209.0	2.4		
SA150A	SA150CA	167.00	185.00	1.0	150.0	1.0	243.0	2.1		
SA160A	SA160CA	178.00	197.00	1.0	160.0	1.0	259.0	1.9		
SA170A	SA170CA	189.00	209.00	1.0	170.0	1.0	275.0	1.8		
SA180A	SA180CA	200.00	233.00	1.0	180.0	1.0	289.0	1.7		



Electrical characteristics apply in both directions for Bi-directional type. The I_D limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

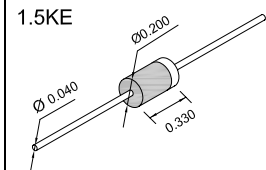
600 W		Breakdown Voltage @ Test Current			Stand-off Voltage	Max. Reverse Leakage Current @ V_{WM}	Max. Clamping Voltage @ I_{PPM}	Max. Peak Pulse Current @ 10/1000 μ s	Package	Outline (Typ. in Inches)
Part No.		$V_{BR}(V)$		$I_T(mA)$						
Uni-Polar	Bi-Polar	Min.	Max.		$V_{WM}(V)$	$I_D(\mu A)$	$V_C(V)$	$I_{PPM}(A)$	Bulk/Reel	
P6KE6.8A	P6KE6.8CA	6.45	7.14	1.0	5.80	1000/2000	10.5	57		
P6KE7.5A	P6KE7.5CA	7.13	7.88	1.0	6.40	500/1000	11.3	53		
P6KE8.2A	P6KE8.2CA	7.79	8.61	1.0	7.02	200/400	12.1	50		
P6KE9.1A	P6KE9.1CA	8.65	9.55	1.0	7.78	50/100	13.4	45		
P6KE10A	P6KE10CA	9.50	10.50	1.0	8.55	10/20	14.5	41		
P6KE11A	P6KE11CA	10.50	11.60	1.0	9.40	5.0	15.6	38		
P6KE12A	P6KE12CA	11.40	12.60	1.0	10.20	5.0	16.7	36		
P6KE13A	P6KE13CA	12.40	13.70	1.0	11.10	5.0	18.2	33		
P6KE15A	P6KE15CA	14.30	15.80	1.0	12.80	5.0	21.2	28		
P6KE16A	P6KE16CA	15.20	16.80	1.0	13.60	5.0	22.5	27		
P6KE18A	P6KE18CA	17.10	18.90	1.0	15.30	5.0	25.2	24		
P6KE20A	P6KE20CA	19.00	21.00	1.0	17.10	5.0	27.7	22		
P6KE22A	P6KE22CA	20.90	23.10	1.0	18.80	5.0	30.6	20		
P6KE24A	P6KE24CA	22.80	25.20	1.0	20.50	5.0	33.2	18		
P6KE27A	P6KE27CA	25.70	28.40	1.0	23.10	5.0	37.5	16		
P6KE30A	P6KE30CA	28.50	31.50	1.0	25.60	5.0	41.4	14.4		
P6KE33A	P6KE33CA	31.40	34.70	1.0	28.20	5.0	45.7	13.2		
P6KE36A	P6KE36CA	34.20	37.80	1.0	30.80	5.0	49.9	12		
P6KE39A	P6KE39CA	37.10	41.00	1.0	33.30	5.0	53.9	11.2		
P6KE43A	P6KE43CA	40.90	45.20	1.0	36.80	5.0	59.3	10.1		
P6KE47A	P6KE47CA	44.70	49.40	1.0	40.20	5.0	64.8	9.3		
P6KE51A	P6KE51CA	48.50	53.60	1.0	43.60	5.0	70.1	8.6		
P6KE56A	P6KE56CA	53.20	58.80	1.0	47.80	5.0	77.0	7.8		
P6KE62A	P6KE62CA	58.90	65.10	1.0	53.00	5.0	85.0	7.1		
P6KE68A	P6KE68CA	64.60	71.40	1.0	58.10	5.0	92.0	6.5		
P6KE75A	P6KE75CA	71.30	78.80	1.0	64.10	5.0	103	5.8		
P6KE82A	P6KE82CA	77.90	86.10	1.0	70.10	5.0	113	5.3		
P6KE91A	P6KE91CA	86.50	95.50	1.0	77.80	5.0	125	4.8		
P6KE100A	P6KE100CA	95.00	105.00	1.0	85.50	5.0	137	4.4		
P6KE110A	P6KE110CA	105.00	116.00	1.0	94.00	5.0	152	4.0		
P6KE120A	P6KE120CA	114.00	126.00	1.0	102.00	5.0	165	3.6		
P6KE130A	P6KE130CA	124.00	137.00	1.0	111.00	5.0	179	3.3		
P6KE150A	P6KE150CA	143.00	158.00	1.0	128.00	5.0	207	2.9		
P6KE160A	P6KE160CA	152.00	168.00	1.0	136.00	5.0	219	2.7		
P6KE170A	P6KE170CA	162.00	179.00	1.0	145.00	5.0	234	2.6		
P6KE180A	P6KE180CA	171.00	189.00	1.0	154.00	5.0	246	2.4		
P6KE200A	P6KE200CA	190.00	210.00	1.0	171.00	5.0	274	2.2		
P6KE220A	P6KE220CA	209.00	231.00	1.0	185.00	5.0	328	1.83		
P6KE250A	P6KE250CA	237.00	263.00	1.0	214.00	5.0	344	1.75		
P6KE300A	P6KE300CA	285.00	315.00	1.0	256.00	5.0	414	1.45		
P6KE350A	P6KE350CA	332.00	368.00	1.0	300.00	5.0	482	1.25		
P6KE400A	P6KE400CA	380.00	420.00	1.0	342.00	5.0	548	1.1		
P6KE440A	P6KE440CA	418.00	462.00	1.0	376.00	5.0	600	1.00		

500/
4000



Electrical characteristics apply in both directions for Bi-directional type.
The I_D limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

1500 W		Breakdown Voltage @ Test Current			Stand-off Voltage	Max. Reverse Leakage Current @ V_{WM}	Max. Clamping Voltage @ I_{PPM}	Max. Peak Pulse Current @ 10/1000 μ s	Package	Outline (Typ. in Inches)
Part No.		$V_{BR}(V)$		$I_T(mA)$						
Uni-Polar	Bi-Polar	Min.	Max.		$V_{WM}(V)$	$I_D(\mu A)$	$V_C(V)$	$I_{PPM}(A)$	Bulk/Reel	
1.5KE6.8A	1.5KE6.8CA	6.45	7.14	10.0	5.80	1000/2000	10.5	143		
1.5KE7.5A	1.5KE7.5CA	7.13	7.88	10.0	6.40	500/1000	11.3	132		
1.5KE8.2A	1.5KE8.2CA	7.79	8.61	10.0	7.02	200/400	12.1	124		
1.5KE9.1A	1.5KE9.1CA	8.65	9.55	1.0	7.78	50/100	13.4	112		
1.5KE10A	1.5KE10CA	9.50	10.50	1.0	8.55	10/20	14.5	103		
1.5KE11A	1.5KE11CA	10.50	11.60	1.0	9.40	5.0	15.6	96		
1.5KE12A	1.5KE12CA	11.40	12.60	1.0	10.20	5.0	16.7	90		
1.5KE13A	1.5KE13CA	12.40	13.70	1.0	11.10	5.0	18.2	82		
1.5KE15A	1.5KE15CA	14.30	15.80	1.0	12.80	5.0	21.2	71		
1.5KE16A	1.5KE16CA	15.20	16.80	1.0	13.60	5.0	22.5	67		
1.5KE18A	1.5KE18CA	17.10	18.90	1.0	15.30	5.0	25.2	59.5		
1.5KE20A	1.5KE20CA	19.00	21.00	1.0	17.10	5.0	27.7	54		
1.5KE22A	1.5KE22CA	20.90	23.10	1.0	18.80	5.0	30.6	49		
1.5KE24A	1.5KE24CA	22.80	25.20	1.0	20.50	5.0	33.2	45		
1.5KE27A	1.5KE27CA	25.70	28.40	1.0	23.10	5.0	37.5	40		
1.5KE30A	1.5KE30CA	28.50	31.50	1.0	25.60	5.0	41.4	36		
1.5KE33A	1.5KE33CA	31.40	34.70	1.0	28.20	5.0	45.7	33		
1.5KE36A	1.5KE36CA	34.20	37.80	1.0	30.80	5.0	49.9	30		
1.5KE39A	1.5KE39CA	37.10	41.00	1.0	33.30	5.0	53.9	28		
1.5KE43A	1.5KE43CA	40.90	45.20	1.0	36.80	5.0	59.3	25.3		
1.5KE47A	1.5KE47CA	44.70	49.40	1.0	40.20	5.0	64.8	23.2		
1.5KE51A	1.5KE51CA	48.50	53.60	1.0	43.60	5.0	70.1	21.4		
1.5KE56A	1.5KE56CA	53.20	58.80	1.0	47.80	5.0	77.0	19.5		
1.5KE62A	1.5KE62CA	58.90	65.10	1.0	53.00	5.0	85.0	17.7		
1.5KE68A	1.5KE68CA	64.60	71.40	1.0	58.10	5.0	92.0	16.3		
1.5KE75A	1.5KE75CA	71.30	78.80	1.0	64.10	5.0	103	14.6		
1.5KE82A	1.5KE82CA	77.90	86.10	1.0	70.10	5.0	113	13.3		
1.5KE91A	1.5KE91CA	86.50	95.50	1.0	77.80	5.0	125	12.0		
1.5KE100A	1.5KE100CA	95.00	105.00	1.0	85.50	5.0	137	11.0		
1.5KE110A	1.5KE110CA	106.00	116.00	1.0	94.00	5.0	152	9.9		
1.5KE120A	1.5KE120CA	114.00	126.00	1.0	102.00	5.0	165	9.1		
1.5KE130A	1.5KE130CA	124.00	137.00	1.0	111.00	5.0	179	8.4		
1.5KE150A	1.5KE150CA	143.00	158.00	1.0	128.00	5.0	207	7.2		
1.5KE160A	1.5KE160CA	152.00	168.00	1.0	136.00	5.0	219	6.8		
1.5KE170A	1.5KE170CA	162.00	179.00	1.0	145.00	5.0	234	6.4		
1.5KE180A	1.5KE180CA	171.00	189.00	1.0	154.00	5.0	246	6.1		
1.5KE200A	1.5KE200CA	190.00	210.00	1.0	171.00	5.0	274	5.5		
1.5KE220A	1.5KE220CA	209.00	231.00	1.0	185.00	5.0	328	4.6		
1.5KE250A	1.5KE250CA	237.00	263.00	1.0	214.00	5.0	344	4.4		
1.5KE300A	1.5KE300CA	285.00	315.00	1.0	256.00	5.0	414	3.6		
1.5KE350A	1.5KE350CA	333.00	368.00	1.0	300.00	5.0	482	3.1		
1.5KE400A	1.5KE400CA	380.00	420.00	1.0	342.00	5.0	548	2.7		
1.5KE440A	1.5KE440CA	418.00	462.00	1.0	376.00	5.0	602	2.5		

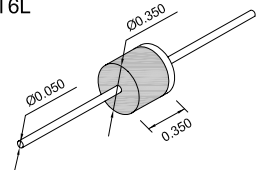
1000/
1400

Electrical characteristics apply in both directions for Bi-directional type.
The I_D limit is doubled for all bi-directional types with V_{WM} under 10 Volts.

5000 W		Breakdown Voltage @Test Current			Stand-off Voltage	Max. Reverse Leakage Current	Clamping Voltage @I _{PPM}	Max. Peak Pulse Current @ 10/1000µs	Package	Outline (Typ. in Inches)
Part No.		V _{BR} (V)		I _T (mA)						
Uni-Polar	Bi-Polar	Min.	Max.		V _{WM} (V)	I _D (µA)	V _C (V)	I _{PPM} (A)	Bulk/Reel	
5KP5.0A	5KP5.0CA	6.40	7.00	50.0	5.0	5000/10000	9.2	544.0		
5KP6.0A	5KP6.0CA	6.67	7.37	50.0	6.0	5000/10000	10.3	486.0		
5KP6.5A	5KP6.5CA	7.22	7.98	50.0	6.5	2000/4000	11.2	477.0		
5KP7.0A	5KP7.0CA	7.78	8.60	50.0	7.0	1000/2000	12.0	417.0		
5KP7.5A	5KP7.5CA	8.33	9.21	5.0	7.5	250/500	12.9	388.0		
5KP8.0A	5KP8.0CA	8.89	9.83	5.0	8.0	150/300	13.6	368.0		
5KP8.5A	5KP8.5CA	9.44	10.40	5.0	8.5	50/100	14.4	348.0		
5KP9.0A	5KP9.0CA	10.00	11.10	5.0	9.0	20/40	15.4	325.0		
5KP10A	5KP10CA	11.10	12.30	5.0	10.0	15.0	17.0	295.0		
5KP11A	5KP11CA	12.20	13.50	5.0	11.0	10.0	18.2	275.0		
5KP12A	5KP12CA	13.30	14.70	5.0	12.0	10.0	19.9	252.0		
5KP13A	5KP13CA	14.40	15.90	5.0	13.0	10.0	21.5	233.0		
5KP14A	5KP14CA	15.60	17.20	5.0	14.0	10.0	23.2	216.0		
5KP15A	5KP15CA	16.70	18.50	5.0	15.0	10.0	24.4	205.0		
5KP16A	5KP16CA	17.80	19.70	5.0	16.0	10.0	26.0	193.0		
5KP17A	5KP17CA	18.90	20.90	5.0	17.0	10.0	27.6	181.0		
5KP18A	5KP18CA	20.00	22.10	5.0	18.0	10.0	29.2	172.0		
5KP20A	5KP20CA	22.20	24.50	5.0	20.0	10.0	32.4	154.0		
5KP22A	5KP22CA	24.40	26.90	5.0	22.0	10.0	35.5	141.0		
5KP24A	5KP24CA	26.70	29.50	5.0	24.0	10.0	38.9	129.0		
5KP26A	5KP26CA	28.90	31.90	5.0	26.0	10.0	42.1	119.0		
5KP28A	5KP28CA	31.10	34.40	5.0	28.0	10.0	45.4	110.0		
5KP30A	5KP30CA	33.30	36.80	5.0	30.0	10.0	48.4	103.0		
5KP33A	5KP33CA	36.70	40.60	5.0	33.0	10.0	53.3	93.9		
5KP36A	5KP36CA	40.00	44.20	5.0	36.0	10.0	58.1	86.1		
5KP40A	5KP40CA	44.40	49.10	5.0	40.0	10.0	64.5	77.6		
5KP43A	5KP43CA	47.80	52.80	5.0	43.0	10.0	69.4	72.1		
5KP45A	5KP45CA	50.00	55.30	5.0	45.0	10.0	72.7	68.8		
5KP48A	5KP48CA	53.30	58.90	5.0	48.0	10.0	77.4	64.7		
5KP51A	5KP51CA	56.10	62.70	5.0	51.0	10.0	82.4	60.7		
5KP54A	5KP54CA	60.00	66.30	5.0	54.0	10.0	87.1	57.5		
5KP58A	5KP58CA	64.40	71.20	5.0	58.0	10.0	93.0	53.5		
5KP60A	5KP60CA	66.70	73.70	5.0	60.0	10.0	96.0	51.7		
5KP64A	5KP64CA	71.10	78.60	5.0	64.0	10.0	103.0	48.6		
5KP70A	5KP70CA	77.60	86.00	5.0	70.0	10.0	113.0	44.3		
5KP75A	5KP75CA	83.30	92.10	5.0	75.0	10.0	121.0	41.4		
5KP78A	5KP78CA	86.70	95.80	5.0	78.0	10.0	126.0	39.7		
5KP85A	5KP85CA	94.40	104.00	5.0	85.0	10.0	137.0	36.5		
5KP90A	5KP90CA	100.00	111.00	5.0	90.0	10.0	146.0	34.3		
5KP100A	5KP100CA	111.00	123.00	5.0	100.0	10.0	162.0	30.9		
5KP110A	5KP110CA	122.00	135.00	5.0	110.0	10.0	177.0	28.3		
5KP120A	5KP120CA	133.00	147.00	5.0	120.0	10.0	193.0	26.0		
5KP130A	5KP130CA	144.00	159.00	5.0	130.0	10.0	209.0	24.0		
5KP150A	5KP150CA	167.00	185.00	5.0	150.0	10.0	243.0	20.6		
5KP160A	5KP160CA	178.00	197.00	5.0	160.0	10.0	259.0	19.3		
5KP170A	5KP170CA	189.00	209.00	5.0	170.0	10.0	275.0	18.2		
5KP180A	5KP180CA	200.00	221.00	5.0	180.0	10.0	292.0	17.6		

200/750

T6L



Electrical characteristics apply in both directions for Bi-directional type.
 The I_D limit is doubled for all bi-directional types with V_{WM} under 10 Volts.
 * Voltage above 180V available on request.

Small Signal Schottky Barrier Diodes

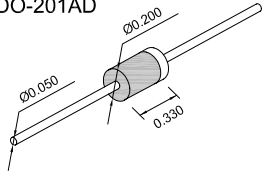
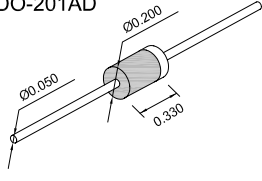
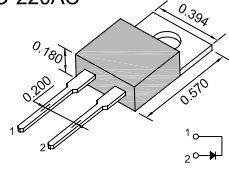
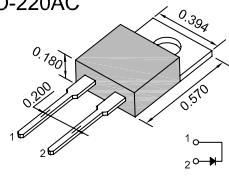
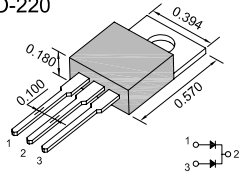
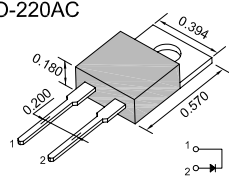
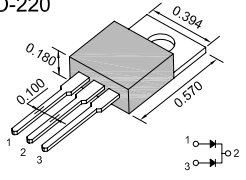
Schottky

Part No.	Peak Reverse Voltage	Max. Forward Voltage Drop @ I _F		Max. Reverse Current @ V _R		Max. Reverse Recovery Time	Max. Diode Capacitance @ 0 V	Package	Outline (Typ. in Inches)
	V _{RRM} (V)	V _F (V)	I _F (mA)	I _R (μA)	V _R (V)	T _{rr} (ns)	C _T (pF)	Bulk/Reel	
SD103C	20	0.37/0.6	20/200	5	10	10(Typ.)	50	1000/10000	
SD103B	30	0.37/0.6	20/200	5	20	10(Typ.)	50		
BAT42	30	0.4/1.0	10/200	0.5	25	5	7(Typ.)		
BAT85S	30	0.24/0.32/0.4/0.8	0.1/1.0/10/100	2	25	5	10		
SD103A	40	1.0	30	5	40	10(Typ.)	50		
SD101C	40	1.0	30	5	40	1	2.0		
SD101B	50	0.37/0.6	20/200	5	20	1	2.1		
SD101A	60	0.37/0.6	20/200	5	20	1	2.2		
1N6263	60	0.41/1.0	1/15	0.2	50	1	2		
1N5711	70	0.41/1.0	1/15	0.2	50	1	2		
BAT41	100	0.45/1.0	1/200	0.1	50	5 (Typ.)	2 (Typ.)		

Schottky Barrier Rectifiers

Schottky

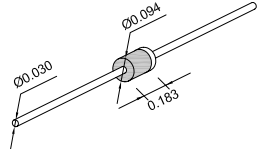
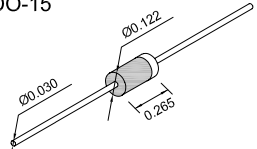
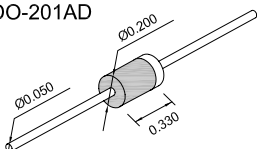
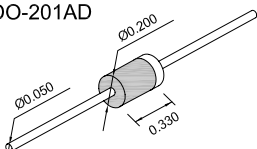
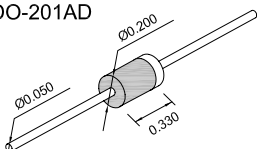
Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)				
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (mA)	Bulk/Reel					
1S2	-	1.0 A	20	40	0.50	0.5	1000/5000					
1S3	-		30									
1S4	-		40									
1S5	-		50									
1S6	-		60									
1S9	-		90									
1S10	-		100									
1N5817	TSR120	1.0 A	20	25	0.45	0.5	1000/5000					
1N5818	TSR130		30		0.55							
1N5819	TSR140		40		0.60							
SB120	TSR120		20	30	0.55	0.5	1000/5000					
SB130	TSR130		30		0.55							
SB160	TSR160		60		0.70							
SB190	TSR190		90		0.85							
SB1100	TSR1100		100		0.85							
TSR120	MBR120		20		40				0.55	0.5	1000/5000	
TSR130	MBR130		30						0.55			
TSR140	MBR140	40	0.55									
TSR150	MBR150	50	0.70									
TSR160	MBR160	60	0.70									
TSR190	SB190	90	0.85									
TSR1100	MBR1100	100	0.85									
TSR220	SB220	2.0 A	20	40		0.55	0.5	500/4000				
TSR230	SB230		30			0.55						
TSR240	SB240		40			0.55						
TSR250	SB250		50		0.70							
TSR260	SB260		60		0.70							
TSR290	SB290		90		0.85							
TSR2100	SB2100		100		0.85							
TSR320	SB320		3.0 A		20	100				0.55	0.5	500/1250
TSR330	SB330	30		0.55								
TSR340	SB340	40		0.55								
TSR350	MBR350	50		0.70								
TSR360	SB360	60		0.70								
TSR390	SB380	90		0.85								
TSR3100	MBR3100	100		0.85								
1N5820	TSR320	20		80	0.475		0.5	500/1250				
1N5821	TSR330	30			0.500							
1N5822	TSR340	40			0.525							

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																						
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (mA)	Bulk/Reel																							
TSR520 TSR530 TSR540 TSR550 TSR560 TSR580 TSR5100 TSR5150	SB520 SB530 SB540 SB550 SB560 SB580 SB5100 SB5150	5.0 A	20 30 40 50 60 80 100 150	150	0.55 0.55 0.55 0.70 0.70 0.85 0.85 0.92	0.5	500/1250	DO-201AD 																						
TSR835 TSR845 TSR850 TSR860	- - - -		8.0 A		35 45 50 60				150	0.55 0.55 0.70 0.70	0.5	500/1250	DO-201AD 																	
MBR735 MBR745 MBR750 MBR760 MBR7100 MBR7150	- - - - - -				7.5 A					35 45 50 60 100 150				150	0.57 @ 125 °C 0.57 @ 125 °C 0.70 @ 125 °C 0.70 @ 125 °C 0.85 0.92	0.1 0.1 0.1 0.1 0.5 0.5	50/Tube	TO-220AC 												
MBR1035 MBR1045 MBR1050 MBR1060 MBR1080 MBR10100 MBR10150	SB1035 SB1045 SB1050 SB1060 SB1080 SB10100 SB10150									10 A					35 45 50 60 80 100 150	150			0.57 @ 125 °C 0.57 @ 125 °C 0.70 @ 125 °C 0.70 @ 125 °C 0.80 0.80 0.92	0.1	50/Tube	TO-220AC 								
MBR1535CT MBR1545CT MBR1550CT MBR1560CT	SB1630C SB1640C SB1650C SB1660C														15 A				35 45 50 60				150	0.57 @ 125 °C @7.5A 0.57 @ 125 °C @7.5A 0.65 @ 125 °C @7.5A 0.65 @ 125 °C @7.5A	0.1 0.1 1.0 1.0	50/Tube	TO-220 			
MBR1635 MBR1645 MBR1650 MBR1660	SB1635 SB1645 SB1650 SB1660		16 A						35 45 50 60		150	0.57 @ 125 °C 0.57 @ 125 °C 0.65 @ 125 °C 0.65 @ 125 °C	0.2 0.2 1.0 1.0						50/Tube					TO-220AC 						
MBR1635CT MBR1645CT MBR1650CT MBR1660CT MBR16100CT MBR16150CT	SB1630CT SB1645CT SB1650CT SB1660CT SB16100CT SB16150CT								16 A			35 45 50 60 100 150	150												0.55 @ 8A 0.55 @ 8A 0.75 @ 8A 0.75 @ 8A 0.85 @ 8A 0.92 @ 8A			0.5	50/Tube	TO-220 

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (mA)	Bulk/Reel	
MBR2035CT	SB2030CT	20 A	35	150	0.72 @125 °C	0.1	50/Tube	
MBR2045CT	SB2040CT		45		0.72 @125 °C	0.1		
MBR2050CT	SB2050CT		50		0.85 @125 °C	0.15		
MBR2060CT	SB2060CT		60		0.85 @125 °C	0.15		
MBR20100CT	SB20100CT		100	0.75 @10 A	0.5			
MBR20150CT	SB20150CT		150	0.92 @10 A	0.5			
MBR20200CT	SB20200CT		200	1.00 @10 A	0.5			
SBL2030CT	-	30	175	0.55 @ 10 A	1.0	1.0		
SBL2040CT	-	40		0.55 @ 10 A	1.0			
SBL2030PT	SB2030PT	20 A	30	250	0.55 @ 10.0 A	1.0	30/Tube	
SBL2040PT	SB2040PT		40					
SBL25L20CT	SB2520CT	25 A	20	180	0.49 @ 12.5 A	1.0	50/Tube	
SBL25L25CT	SB2520CT		25					
SBL25L30CT	SB2530CT		30					
MBR2535CT	SB2530CT		35					
MBR2545CT	SB2540CT		45	0.73 @125 °C	0.2			
MBR2550CT	SB2550CT		50	0.65 @125 °C	1.0			
MBR2560CT	SB2560CT		60	0.65 @125 °C	1.0			
MBR2580CT	SB2580CT	80	0.85 @12.5A	0.5				
MBR25100CT	SB25100CT	100	0.85 @12.5A	0.5				
MBR3035PT	SR3035C	30 A	35	200	0.72 @125 °C	1.0	30/Tube	
MBR3045PT	SR3045C		45		0.65 @125 °C @10 A	5.0		
MBR3050PT	SR3050C		50					
MBR3060PT	SR3060C		60					
SBL3030PT	SB3030PT		30	275	0.55 @ 15 A	1.0		
SBL3040PT	SB3040PT		40		0.55 @ 15 A	1.0		
SBL3060PT	SB3060PT		60		0.70 @ 15 A	1.0		
SD241P	-	45	400	0.47 @ 125°C @10 A	1.0 @ 35 V			
MBR4035PT	SB4030PT	40 A	35	400	0.70 @ 20 A	1.0	30/Tube	
MBR4045PT	SB4040PT		45		0.70 @ 20 A			
MBR4050PT	SB4050PT		50		0.72 @ 20 A			
MBR4060PT	SB4060PT		60		0.72 @ 20 A			
SBL4030PT	SB4030PT	40 A	30	400	0.58 @ 20 A	1.0	30/Tube	
SBL4040PT	SB4040PT		40					
MBR6030CT	SB6030PT	60 A	30	400	0.70 @ 30 A	1.0	30/Tube	
MBR6045CT	SB6040PT		45		0.70 @ 30 A			
MBR6050CT	SB6050PT		50		0.79 @ 30 A			
MBR6060CT	SB6060PT		60		0.79 @ 30 A			
MBR6080CT	SB6080PT		80		0.80 @ 30 A			
MBR60100CT	SB60100PT		100		0.80 @ 30 A			

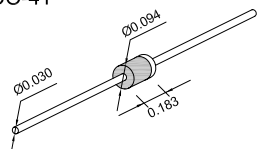
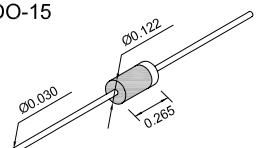
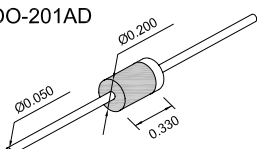
Sintered Glass Passivated Super Fast Recovery Rectifiers

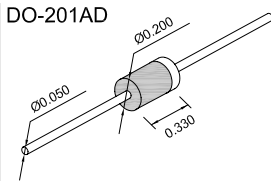
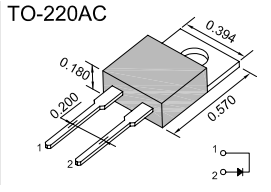
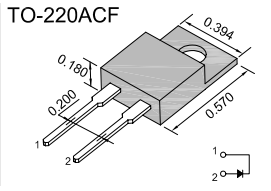
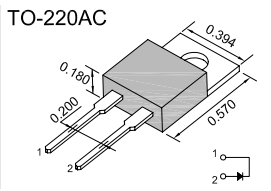
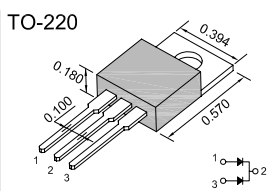
Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)																				
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel																					
EGP10A EGP10B EGP10D EGP10G EGP10J EGP10K	MUR105 MUR110 MUR120 MUR140 MUR160 MUR180	1.0A	50 100 200 400 600 800	30 30 30 30 25 25	0.95 0.95 0.95 1.25 1.70 2.20	5.0	35	1000/ 5000	DO-41 																				
EGP15A EGP15B EGP15D EGP15G EGP15J EGP15K	- - - - - -		1.5A	50 100 200 400 600 800	50 50 50 50 45 45					0.95 0.95 0.95 1.25 1.70 2.20	5.0	35	500/ 4000	DO-15 															
EGP20A EGP20B EGP20D EGP20G EGP20J EGP20K	- - MUR220 MUR240 MUR260 MUR280			2.0A	50 100 200 400 600 800					65 65 65 65 60 60					0.95 0.95 0.95 1.25 1.70 2.20	5.0	35	500/ 1250	DO-201AD 										
EGP30A EGP30B EGP30D EGP30G EGP30J EGP30K	- - - - - -				3.0A					50 100 200 400 600 800					125 125 125 125 115 115					0.95 0.95 0.95 1.25 1.70 2.20	5.0	35	500/ 1250	DO-201AD 					
MUR440 MUR460	- -									4.0A					400 600					150					1.28	10.0	50	500/ 1250	DO-201AD 

Super Fast Rectifiers

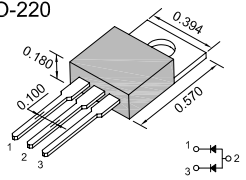
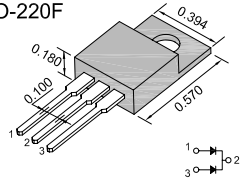
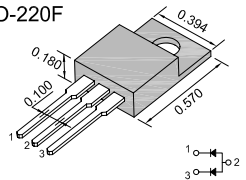
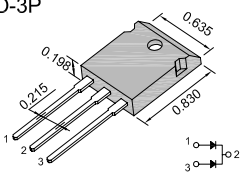
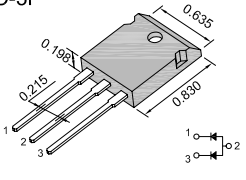
Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)												
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel													
TSF11 TSF12 TSF13 TSF14 TSF15 TSF16	SF11 SF12 SF13 SF14 SF15 SF16	1.0 A	50 100 150 200 300 400	30	0.950 1.250	5.0	35	1000/ 5000	DO-41 												
TSF21 TSF22 TSF23 TSF24 TSF25 TSF26	SF21 SF22 SF23 SF24 SF25 SF26		2.0 A		50 100 150 200 300 400					75	0.950 1.250	5.0	35	500/4000	DO-15 						
TSF31 TSF32 TSF33 TSF34 TSF35 TSF36	SF31 SF32 SF33 SF34 SF35 SF36				3.0 A						50 100 150 200 300 400					125	0.950 1.250	5.0	35	500/1250	DO-201AD 

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)																			
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel																				
TSF51 TSF52 TSF53 TSF54 TSF55 TSF56	SF51 SF52 SF53 SF54 SF55 SF56	5.0 A	50 100 150 200 300 400	150	0.950 1.250	5.0	35	500/1250	DO-201AD 																			
TSF61 TSF62 TSF63 TSF64 TSF65 TSF66	SF61 SF62 SF63 SF64 SF65 SF66		6.0 A		50 100 150 200 300 400					300	0.950 1.250	5.0	35															
FES8AT FES8BT FES8CT FES8DT FES8FT FES8GT FES8HT FES8JT	SF81 SF82 SF83 SF84 HER804 HER805 - HER806				8.0 A						50 100 150 200 300 400 500 600			125	0.950 1.300 1.500	10.0	35 50	50/Tube 										
FESF8AT FESF8BT FESF8CT FESF8DT FESF8FT FESF8GT FESF8HT FESF8JT	SF81 SF82 SF83 SF84 HER804 HER805 - HER806										8.0 A				50 100 150 200 300 400 500 600				125	0.950 1.300 1.500	10.0	35 50	50/Tube 					
FES16AT FES16BT FES16CT FES16DT FES16FT FES16GT FES16HT FES16JT	- - - - - - - -														16.0 A					50 100 150 200 300 400 500 600				250	0.950 1.300 1.500	10.0	35 50	50/Tube 
FESF16AT FESF16BT FESF16CT FESF16DT FESF16FT FESF16GT FESF16HT FESF16JT	- - - - - - - -																			16.0 A					50 100 150 200 300 400 500 600			
FEP16AT FEP16BT FEP16CT FEP16DT FEP16FT FEP16GT FEP16HT FEP16JT	SF161 SF162 SF163 SF164 HER1604 HER1605 - HER1606	16.0 A		50 100 150 200 300 400 500 600		200	0.95 @ 8 A 1.30 @ 8 A 1.50 @ 8 A	10.0	35 50																50/Tube 			

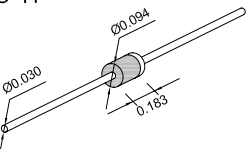
Super Fast Rectifiers

Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)								
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel									
FEN16AT FEN16BT FEN16CT FEN16DT FEN16FT FEN16GT FEN16HT FEN16JT	SF161A SF162A SF163A SF164A HER1604A HER1605A - HER1606A	16.0 A	50 100 150 200 300 400 500 600	200	0.95 @ 8 A 1.30 @ 8 A 1.50 @ 8 A	10.0	35 50	50/Tube	TO-220 								
FEPF16AT FEPF16BT FEPF16CT FEPF16DT FEPF16FT FEPF16GT FEPF16HT FEPF16JT	SF161 SF162 SF163 SF164 HER1604 HER1605 - HER1606		50 100 150 200 300 400 500 600		0.95 @ 8 A 1.30 @ 8 A 1.50 @ 8 A		35 50			TO-220F 							
FENF16AT FENF16BT FENF16CT FENF16DT FENF16FT FENF16GT FENF16HT FENF16JT	SF161A SF162A SF163A SF164A HER1604A HER1605A - HER1606A		50 100 150 200 300 400 500 600		0.95 @ 8 A 1.30 @ 8 A 1.50 @ 8 A		35 50				TO-220F 						
FEP30AP FEP30BP FEP30CP FEP30DP FEP30FP FEP30GP FEP30HP FEP30JP	SF3001 SF3002 SF3003 SF3004 HER3004 HER3005 - HER3006		30.0 A		50 100 150 200 300 400 500 600		300					0.95 @ 15 A 1.30 @ 15 A 1.50 @ 15 A	10.0	35 50	30/Tube	TO-3P 	
FEN30AP FEN30BP FEN30CP FEN30DP FEN30FP FEN30GP FEN30HP FEN30JP	SF3001A SF3002A SF3003A SF3004A HER3004A HER3005A - HER3006A				50 100 150 200 300 400 500 600							0.95 @ 15 A 1.30 @ 15 A 1.50 @ 15 A		35 50			TO-3P 

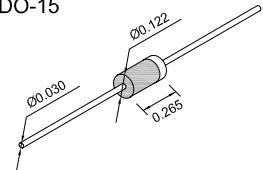
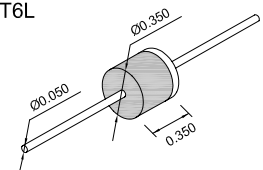
Sintered Glass Passivated Ultra Fast Recovery Rectifiers

Rectifiers

Part No.	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)
	I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel	
UGP10A UGP10B UGP10D UGP10G UGP10J UGP10K UGP10M	1.0A	50 100 200 400 600 800 1000	30	1.00 1.00 1.00 1.25 1.70 1.70 1.70	5.0	50 50 50 50 75 75 75	1000/ 5000	DO-41 

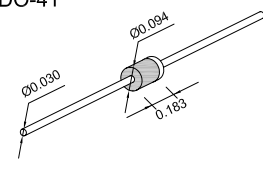
Sintered Glass Passivated Ultra Fast Recovery Rectifiers

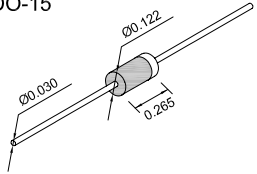
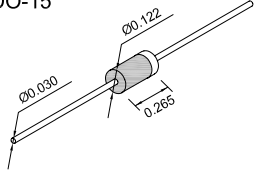
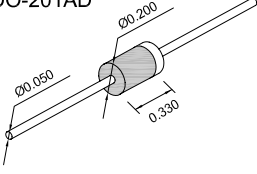
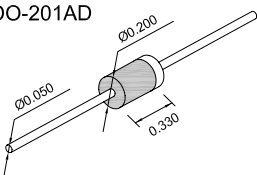
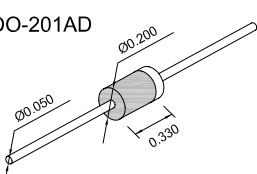
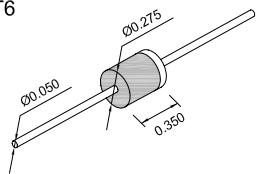
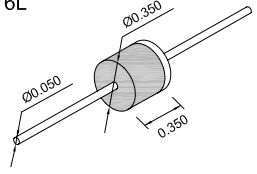
Rectifiers

Part No.	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)											
	I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel												
UGP15A UGP15B UGP15D UGP15G UGP15J UGP15K UGP15M	1.5A	50	50	1.00	5.0	50	500/ 4000	DO-15 											
UGP20A UGP20B UGP20D UGP20G UGP20J UGP20K UGP20M		2.0A	50	65		1.00			50	500/ 4000									
UGP30A UGP30B UGP30D UGP30G UGP30J UGP30K UGP30M			3.0A	50		125			1.00		50	500/ 1250							
UGP60AL UGP60BL UGP60DL UGP60GL UGP60JL UGP60KL UGP60ML				6.0A		50			250		1.00		5.0	200/ 750	T6L 				
UGP100AL UGP100BL UGP100DL						10.0A					50					1.00	5.0	50	
											100					1.00			50
											200					1.00			

Ultra Fast Rectifiers

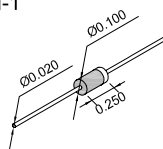
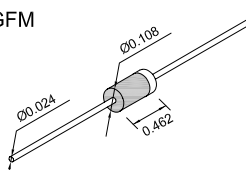
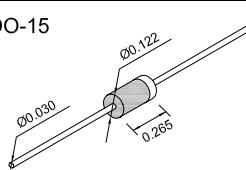
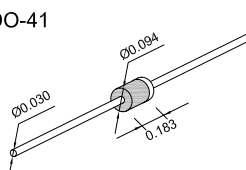
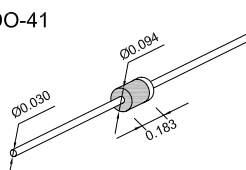
Rectifiers

Part No.	Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)		
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel			
TUF101 TUF102 TUF103 TUF104 TUF105 TUF106 TUF107 TUF108	HER101 HER102 HER103 HER104 HER105 HER106 HER107 HER108	1.0 A	50	30	1.0	5.0	50	1000/ 5000	DO-41 		
UF4001 UF4002 UF4003 UF4004 UF4005 UF4006 UF4007	TUF101 TUF102 TUF103 TUF105 TUF106 TUF107 TUF108		50		1.0		10.0			50	1000/ 5000
	100		1.0		50						
	200		1.0							75	
	400		1.7		75						
	600		1.7							75	
	800		1.7		75						
	1000	1.7	75								

Part No.	Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel	
TUF151	HER151	1.5 A	50	50	1.0	5.0	50	500/4000	DO-15 
TUF152	HER152		100		1.3		50		
TUF153	HER153		200		1.3		50		
TUF154	HER154		300		1.3		50		
TUF155	HER155		400		1.3		50		
TUF156	HER156		600		1.3		50		
TUF157	HER157		800		1.3		50		
TUF158	HER158		1000		1.3		50		
TUF201	HER201	2.0 A	50	60	1.0	5.0	50	500/4000	DO-15 
TUF202	HER202		100		1.3		50		
TUF203	HER203		200		1.3		50		
TUF204	HER204		300		1.3		50		
TUF205	HER205		400		1.3		50		
TUF206	HER206		600		1.3		50		
TUF207	HER207		800		1.3		50		
TUF208	HER208		1000		1.3		50		
TUF301	HER301	3.0 A	50	150	1.0	10.0	50	500/1250	DO-201AD 
TUF302	HER302		100		1.3		50		
TUF303	HER303		200		1.3		50		
TUF304	HER304		300		1.3		50		
TUF305	HER305		400		1.3		50		
TUF306	HER306		600		1.3		50		
TUF307	HER307		800		1.3		50		
TUF308	HER308		1000		1.3		50		
UF5400	TUF301	3.0 A	50	150	1.0	10.0	50	500/1250	DO-201AD 
UF5401	TUF302		100		1.3		50		
UF5402	TUF303		200		1.3		50		
UF5403	TUF304		300		1.3		50		
UF5404	TUF305		400		1.3		50		
UF5405	-		500		1.3		50		
UF5406	TUF306		600		1.3		50		
UF5407	TUF307		800		1.3		50		
UF5408	TUF308	1000	1.3	50					
TUF501	HER501	5.0 A	50	200	1.0	10.0	50	500/1250	DO-201AD 
TUF502	HER502		100		1.3		50		
TUF503	HER503		200		1.3		50		
TUF504	HER504		300		1.3		50		
TUF505	HER505		400		1.3		50		
TUF506	HER506		600		1.3		50		
TUF507	HER507		800		1.3		50		
TUF508	HER508		1000		1.3		50		
TUF601	HER601	6.0 A	50	300	1.0	10.0	50	400/1000	T6 
TUF602	HER602		100		1.3		50		
TUF603	HER603		200		1.3		50		
TUF604	HER604		300		1.3		50		
TUF605	HER605		400		1.3		50		
TUF606	HER606		600		1.3		50		
TUF607	HER607		800		1.3		50		
TUF601L	HER601	6.0 A	50	300	1.0	10.0	50	200/750	T6L 
TUF602L	HER602		100		1.3		50		
TUF603L	HER603		200		1.3		50		
TUF604L	HER604		300		1.3		50		
TUF605L	HER605		400		1.3		50		
TUF606L	HER606		600		1.3		50		
TUF607L	HER607		800		1.3		50		

High Voltage Fast Recovery Rectifiers

Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max Reverse Recovery Time		Package	Outline (Typ. in Inches)
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)		Bulk/Reel	
GFM504	VF5-4X	5mA	4000	0.5	12.0 *	5.0	50 **	@V _R 14.4V	1000/5000	GFM-1 
GFM505	VF5-5X		5000		16.0 *			@V _R 7.2V		
GFM506	VF5-6X		6000		20.0 *		@V _R 9.2V			
GFM508	VF5-8X		8000		25.0 *		@V _R 12V			
GFM510	VF5-10X		10000		30.0 *		@V _R 14.4V			
GFM512	VF5-12X		12000		37.5 *		@V _R 18V	100 **		
GFM514	VF5-14X	5mA	14000	0.5	42.5 *	5.0	100 **	@V _R 20.4V	1000/5000	GFM 
GFM516	VF5-16X		16000		50.0 *			@V _R 24V		
GFM518	VF5-18X		18000		55.0 *			@V _R 26.4V		
GFM520	VF5-20X		20000		62.5 *			@V _R 30V		
GFM522	VF5-22X		22000		62.5 *			@V _R 30V		
GFM524	VF5-24X		24000		75.0 *			@V _R 36V		
GF235	R3500F	200mA	3500	20	8.0	5.0	500	500	500/4000	DO-15 
GF240	R4000F		4000		8.0					
GF250	R5000F		5000		12.0					
GF260	R6000F		6000		12.0					
GF225	R2500F	200mA	2500	25	6.0	5.0	500	500	1000/5000	DO-41 
GF230	R3000F		3000							
GF510	R1000F	500mA	1000	30	2.0	5.0	500	500	1000/5000	DO-41 
GF515	R1500F		1500		2.0					
GF518	R1800F		1800		2.0					
GF520	R2000F		2000		3.0					

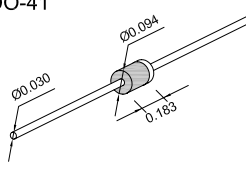
T_{rr} Test Conditions: I_F = 0.5 A, I_R = 1 A, I_{RR} = 0.25 A

*V_{FM} Test Conditions: I_F = 10mA,

**T_{rr} Test Conditions: I_F = 2mA

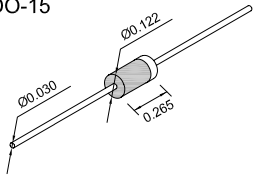
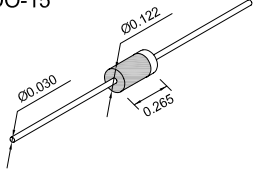
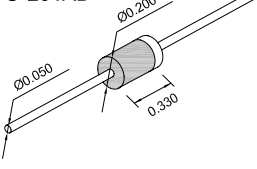
Sintered Glass Passivated Fast Recovery Rectifiers

Rectifiers

Part No.	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)		
	I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel			
RGP10A	1.0A	50	30	1.3	5.0	150	1000/5000	DO-41 		
RGP10B		100				150				
RGP10D		200				150				
RGP10G		400				150				
RGP10J		600				250				
RGP10JA		600				150				
RGP10K		800				500				
RGP10KA		800				300				
RGP10M		1000				500				
RGP10MA		1000				300				
RGP10Q		1200				20			1.8	300
RGP10V		1500								
RGP10Y		1800								
RGP10Z		2000								

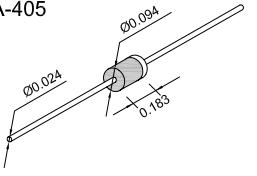
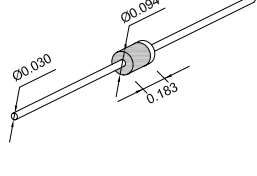
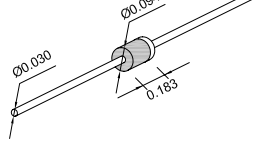
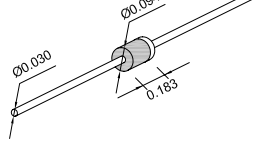
Sintered Glass Passivated Fast Recovery Rectifiers

Rectifiers

Part No.	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)
	I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel	
RGP15A RGP15B RGP15D RGP15G RGP15J RGP15K RGP15M	1.5A	50	50	1.3	5.0	150	500/ 4000	DO-15 
		100				150		
		200				150		
		400				150		
		600				250		
		800				500		
		1000				500		
RGP20A RGP20B RGP20D RGP20G RGP20J RGP20K RGP20M	2.0A	50	65	1.3	5.0	150	500/ 4000	DO-15 
		100				150		
		200				150		
		400				150		
		600				250		
		800				500		
		1000				500		
RGP30A RGP30B RGP30D RGP30G RGP30J RGP30K RGP30M	3.0A	50	125	1.3	5.0	150	500/ 1250	DO-201AD 
		100				150		
		200				150		
		400				150		
		600				250		
		800				500		
		1000				500		

Glass Passivated Fast Recovery Rectifiers

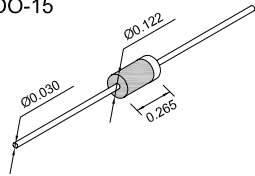
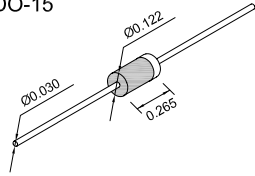
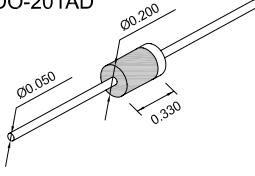
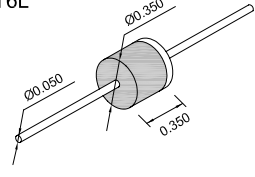
Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel	
RL101FG RL102FG RL103FG RL104FG RL105FG RL106FG RL107FG	- - - - - - -	1.0 A	50	30	1.3	5.0	150	1000/ 5000	A-405 
	100		150						
	200		150						
	400		150						
	600		250						
	800		500						
	1000		500						
1N4933G 1N4934G 1N4935G 1N4936G 1N4937G	1N4933GP 1N4934GP 1N4935GP 1N4936GP 1N4937GP	1.0 A	50	50	1.2	5.0	200*	1000/ 5000	DO-41 
	100		150						
	200		150						
	400		250						
	600		500						
1N4942G 1N4944G 1N4946G 1N4947G 1N4948G	1N4942GP 1N4944GP 1N4946GP 1N4947GP 1N4948GP	1.0 A	200	50	1.3	5.0	150	1000/ 5000	DO-41 
	400		150						
	600		250						
	800		250						
	1000		500						
TF101G TF102G TF103G TF104G TF105G TF106G TF107G	FR101G FR102G FR103G FR104G FR105G FR106G FR107G	1.0 A	50	50	1.3	5.0	150	1000/ 5000	DO-41 
	100		150						
	200		150						
	400		150						
	600		250						
	800		500						
	1000		500						

* T_{rr} Test Conditions: I_F = 1A, V_R = 30 V, di/dt = 50 A/μs, I_{RR} = 10% I_R(max)

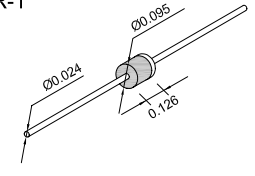
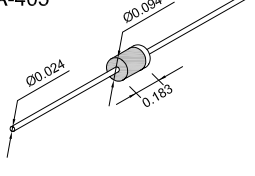
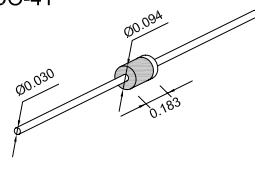
Glass Passivated Fast Recovery Rectifiers

Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)																		
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel																			
TF151G TF152G TF153G TF154G TF155G TF156G TF157G	FR151G FR152G FR153G FR154G FR155G FR156G FR157G	1.5 A	50 100 200 400 600 800 1000	60	1.3	5.0	150 150 150 150 250 500 500	500/4000	DO-15 																		
TF201G TF202G TF203G TF204G TF205G TF206G TF207G	FR201G FR202G FR203G FR204G FR205G FR206G FR207G		2.0 A				50 100 200 400 600 800 1000			70	1.3	5.0	150 150 150 150 250 500 500	500/4000	DO-15 												
TF301G TF302G TF303G TF304G TF305G TF306G TF307G	FR301G FR302G FR303G FR304G FR305G FR306G FR307G						3.0 A						50 100 200 400 600 800 1000			200	1.3	5.0	150 150 150 150 250 500 500	500/1250	DO-201AD 						
TF601LG TF602LG TF603LG TF604LG TF605LG TF606LG TF607LG	FR601G FR602G FR603G FR604G FR605G FR606G FR607G												6.0 A						50 100 200 400 600 800 1000			400	1.3	5.0	150 150 150 150 250 500 500	200/750	T6L 

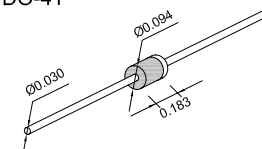
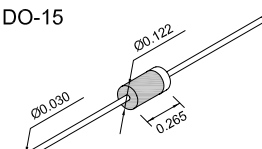
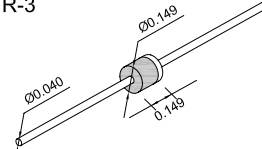
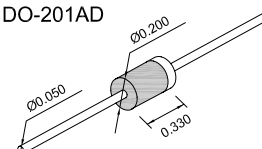
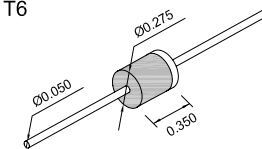
Fast Recovery Rectifiers

Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)											
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)	Bulk/Reel												
1F1 1F2 1F3 1F4 1F5 1F6 1F7	- - - - - - -	1.0 A	50 100 200 400 600 800 1000	30	1.3	5.0	150 150 150 150 250 500 500	1000/ 5000	R-1 											
RL101F RL102F RL103F RL104F RL105F RL106F RL107F	1N4001SF 1N4002SF 1N4003SF 1N4004SF 1N4005SF 1N4006SF 1N4007SF		50 100 200 400 600 800 1000				50			1.3	5.0	150 150 150 150 250 500 500	1000/ 5000	A-405 						
TF101 TF102 TF103 TF104 TF105 TF106 TF107	FR101 FR102 FR103 FR104 FR105 FR106 FR107		1.0A									50 100 200 400 600 800 1000			30	1.3	5.0	150 150 150 150 250 500 500	1000/ 5000	DO-41 

Fast Recovery Rectifiers

Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)						
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)								
RL4933	1N4933	1.0A	50	30	1.2	5.0	200*	1000/5000	DO-41 						
RL4934	1N4934		100												
RL4935	1N4935		200												
RL4936	1N4936		400	30	1.3	5.0	150								
RL4937	1N4937		600												
1N4942	TF103		200												
1N4944	TF104		400												
1N4946	TF105		600												
1N4947	TF106		800												
1N4948	TF107		1000	35	1.3	5.0	150								
BA157	TF104		400												
BA158	TF105		600												
BA159	TF107		1000	250											
TF151	FR151		1.5 A	50	60	1.3	5.0			150	500/4000	DO-15 			
TF152	FR152			100											
TF153	FR153	200													
TF154	FR154	400													
TF155	FR155	600													
TF156	FR156	800													
TF157	FR157	1000													
TF201	FR201	2.0 A		50				70	1.3				5.0	150	500/4000
TF202	FR202		100												
TF203	FR203		200												
TF204	FR204		400												
TF205	FR205		600												
TF206	FR206		800												
TF207	FR207		1000												
TF251	FR251		2.5 A	50	150	1.3	5.0			150	500/3000	R-3 			
TF252	FR252	100													
TF253	FR253	200													
TF254	FR254	400													
TF255	FR255	600													
TF256	FR256	800													
TF257	FR257	1000													
TF301	FR301	3.0 A		50				200	1.3				10.0	150	500/1250
TF302	FR302		100												
TF303	FR303		200												
TF304	FR304		400												
TF305	FR305		600												
TF306	FR306		800												
TF307	FR307		1000												
MR850	GI850		50	200	1.3	10.0	150			500/1250	DO-201AD 				
MR851	GI851		100												
MR852	GI852		200												
MR854	GI854	400													
MR856	GI856	600													
MR858	GI858	800													
TF601	GI820	6.0 A	50					300	1.3			5.0	150	400/1000	T6 
TF602	GI821		100												
TF603	GI822		200												
TF604	GI824		400												
TF605	GI826		600												
TF606	-		800												
TF607	-		1000												

* T_{rr} Test Conditions: I_F = 1A, V_R = 30 V, di/dt = 50 A/μs, I_{RR} = 10% IR(max)

Fast Recovery Rectifiers

Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Max. Reverse Recovery Time	Package	Outline (Typ. in Inches)																	
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	T _{rr} (nS)																			
TF601L TF602L TF603L TF604L TF605L TF606L TF607L	FR601 FR602 FR603 FR604 FR605 FR606 FR607	6.0 A	50 100 200 400	400	1.3	5.0	150 150 150 150	200/750																		
TF801L TF802L TF803L TF804L TF805L TF806L TF807L	- - - - - - -		8.0 A				50 100 200 400			400	1.3	5.0	150 150 150 150	200/750												
TF1001L TF1002L TF1003L TF1004L TF1005L TF1006L TF1007L	- - - - - - -						10 A						50 100 200 400			500	1.5	10.0	150 150 150 150	200/750						
																			600 800 1000					250 500 500		

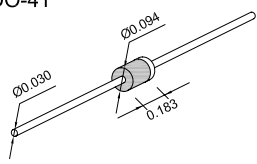
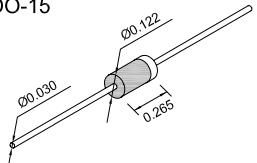
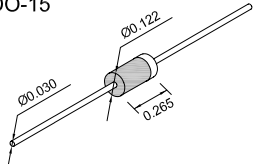
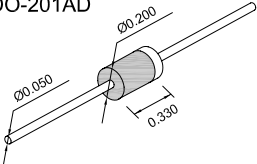
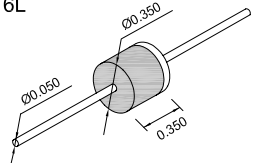
High Voltage Rectifiers

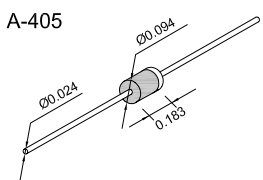
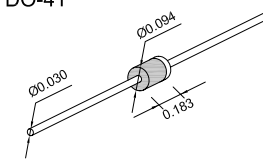
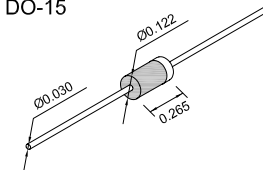
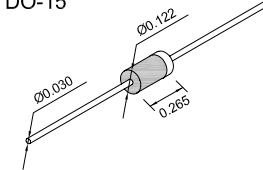
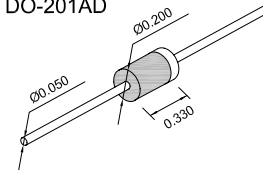
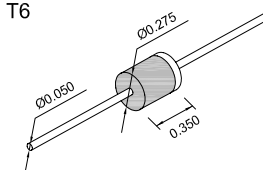
Rectifiers

Part No.	Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)					
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)							
GP225 GP230 GP235	R2500 R3000 R3500	200 mA	2500 3000 3500	25	3.0 3.0 5.0	5.0	1000/5000						
GP240 GP250 GP260	R4000 R5000 R6000		200 mA		4000 5000 6000				25 20 20	5.0 7.0 7.0	5.0	500/4000	
GP512 GP515 GP518 GP520	R1200 R1500 R1800 R2000				500 mA				1200 1500 1800 2000	30			

Sintered Glass Passivated Rectifiers

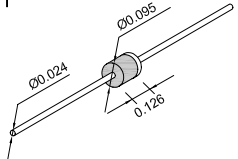
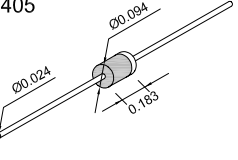
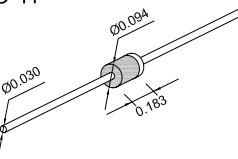
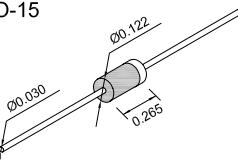
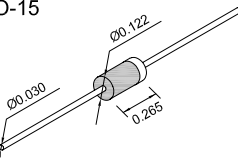
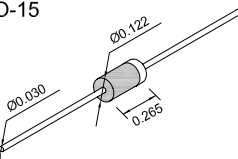
Rectifiers

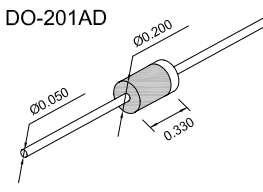
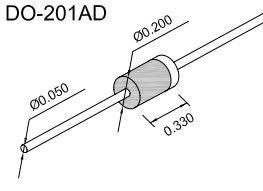
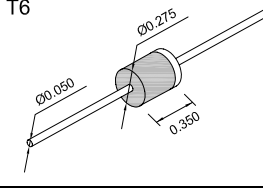
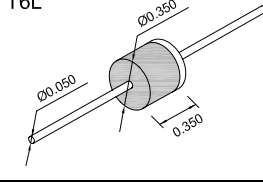
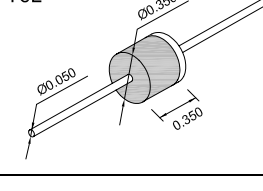
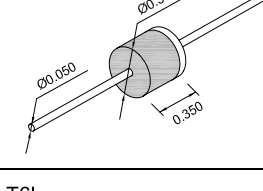
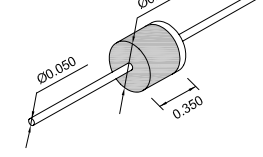
Part No.	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)
	I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk/Reel	
GP10A GP10B GP10D GP10G GP10J GP10K GP10M GP10Q GP10V GP10Y GP10Z	1.0A	50	30	1.0	5.0	1000/ 5000	DO-41 
1200		1.25					
1400		2.0					
1600							
GP15A GP15B GP15D GP15G GP15J GP15K GP15M	1.5A	50	50	1.1	5.0	500/ 4000	DO-15 
100							
200							
400							
600							
800							
1000							
GP20A GP20B GP20D GP20G GP20J GP20K GP20M	2.0A	50	65	1.1	5.0	500/ 4000	DO-15 
100							
200							
400							
600							
800							
1000							
GP30A GP30B GP30D GP30G GP30J GP30K GP30M	3.0A	50	125	1.1	5.0	500/ 1250	DO-201AD 
100							
200							
400							
600							
800							
1000							
GP60AL GP60BL GP60DL GP60GL GP60JL GP60KL GP60ML	6.0A	50	250	1.0	5.0	200/ 750	T6L 
100							
200							
400							
600							
800							
1000							

Part No.	Cross Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I_o	Max. Reverse Current @ V_{RRM}	Package	Outline (Typ. in Inches)														
		$I_o(AV)$	$V_{RRM}(V)$	$I_{FSM}(A)$	$V_F(V)$	$I_R(\mu A)$																
RL101G RL102G RL103G RL104G RL105G RL106G RL107G	1N4001SG 1N4002SG 1N4003SG 1N4004SG 1N4005SG 1N4006SG 1N4007SG	1.0 A	50 100 200 400 600 800 1000	50	1.1	5.0	1000/5000	A-405 														
1N4001G 1N4002G 1N4003G 1N4004G 1N4005G 1N4006G 1N4007G BY133G	1N4001GP 1N4002GP 1N4003GP 1N4004GP 1N4005GP 1N4006GP 1N4007GP -		50 100 200 400 600 800 1000 1300					50	1.1	5.0	1000/5000	DO-41 										
1N5391G 1N5392G 1N5393G 1N5395G 1N5397G 1N5398G 1N5399G	1N5391GP 1N5392GP 1N5393GP 1N5395GP 1N5397GP 1N5398GP 1N5399GP		1.5 A					50 100 200 400 600 800 1000	50	1.1	5.0	500/4000	DO-15 									
T2A05G T2A10G T2A20G T2A40G T2A60G T2A80G T2A100G	RL201G RL202G RL203G RL204G RL205G RL206G RL207G							50 100 200 400 600 800 1000					70	1.1	5.0	500/4000	DO-15 					
T3A05G T3A10G T3A20G T3A40G T3A60G T3A80G T3A100G	1N5400G 1N5401G 1N5402G 1N5404G 1N5406G 1N5407G 1N5408G							3.0 A					50 100 200 400 600 800 1000	125	1.1	5.0	500/1250	DO-201AD 				
T6A05G T6A10G T6A20G T6A40G T6A60G T6A80G T6A100G	T6A05LG T6A10LG T6A20LG T6A40LG T6A60LG T6A80LG T6A100LG												50 100 200 400 600 800 1000					250	1.1	10.0	400/1000	T6 
T6A05LG T6A10LG T6A20LG T6A40LG T6A60LG T6A80LG T6A100LG	6A05G 6A10G 6A20G 6A40G 6A60G 6A80G 6A100G												6.0 A					50 100 200 400 600 800 1000	400	1.0	5.0	200/750

Standard Rectifiers

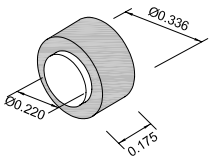
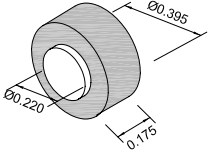
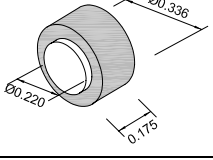
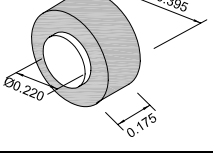
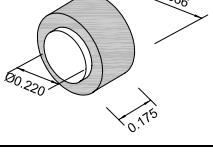
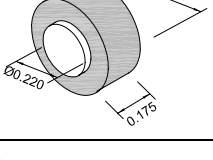
Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																				
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)																						
1A1 1A2 1A3 1A4 1A5 1A6 1A7	- - - - - - -	1.0 A	50 100 200 400 600 800 1000	45	1.00	5.0	1000/5000	R-1 																				
RL101 RL102 RL103 RL104 RL105 RL106 RL107	1N4001S 1N4002S 1N4003S 1N4004S 1N4005S 1N4006S 1N4007S		50 100 200 400 600 800 1000					50	1.10	5.0	1000/5000	A-405 																
1N4001 1N4002 1N4003 1N4004 1N4005 1N4006 1N4007 BY127 BY133	M100A M100B M100D M100G M100J M100K M100M - -		50 100 200 400 600 800 1000 1250 1300									30	1.10	5.0	1000/5000	DO-41 												
1N5391J05 1N5392J1 1N5393J2 1N5395J4 1N5397J6 1N5398J8 1N5399J10	J05 J1 J2 J4 J6 J8 J10		50 100 200 400 600 800 1000													60	1.00	5.0	500/4000	DO-15 								
T2A05 T2A10 T2A20 T2A40 T2A60 T2A80 T2A100 T2A130	RL201 RL202 RL203 RL204 RL205 RL206 RL207 RL208		50 100 200 400 600 800 1000 1300																	70	1.00	5.0	500/4000	DO-15 				
RL251M RL252M RL253M RL254M RL255M RL256M RL257M RL258M	RL251 RL252 RL253 RL254 RL255 RL256 RL257 RL258		50 100 200 400 600 800 1000 1300																					100	1.00	5.0	500/4000	DO-15 
RL251 RL252 RL253 RL254 RL255 RL256 RL257 RL258	RL251M RL252M RL253M RL254M RL255M RL256M RL257M RL258M		50 100 200 400 600 800 1000 1300																									150

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																														
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)			Bulk/Reel																													
1N5400 1N5401 1N5402 1N5403 1N5404 1N5405 1N5406 1N5407 1N5408 BY255	P300A P300B P300D - P300G - P300J P300K P300M -	3.0 A	50 100 200 300 400 500 600 800 1000 1300	200	1.0	5.0	500/1250	DO-201AD 																														
T3A05 T3A10 T3A20 T3A40 T3A60 T3A80 T3A100	1N5400 1N5401 1N5402 1N5404 1N5406 1N5407 1N5408		50 100 200 400 600 800 1000						200	1.0	5.0	500/1250	DO-201AD 																									
T6A05 T6A10 T6A20 T6A40 T6A60 T6A80 T6A100	6A05 6A10 6A20 6A40 6A60 6A80 6A100		50 100 200 400 600 800 1000											250	0.95	5.0	400/1000	T6 																				
T6A05L T6A10L T6A20L T6A40L T6A60L T6A80L T6A100L	6A05 6A1 6A2 6A4 6A6 6A8 6A10		50 100 200 400 600 800 1000																400	0.95	5.0	200/750	T6L 															
P600A P600B P600D P600G P600J P600K P600M	- - - - - - -		50 100 200 400 600 800 1000																					400	0.90	5.0	200/750	T6L 										
T8A05L T8A10L T8A20L T8A40L T8A60L T8A80L T8A100L	P600A P600B P600D P600G P600J P600K P600M		50 100 200 400 600 800 1000																										400	1.00	5.0	200/750	T6L 					
T10A05L T10A10L T10A20L T10A40L T10A60L T10A80L T10A100L	10A05 10A10 10A20 10A40 10A60 10A80 10A100		50 100 200 400 600 800 1000																															600	1.00	10.0	200/750	T6L 

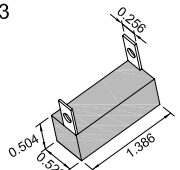
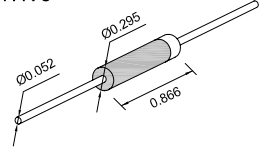
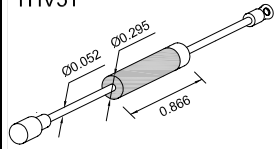
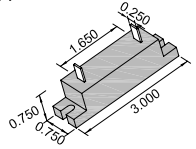
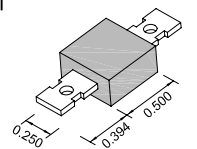
Automotive Rectifiers

Rectifiers

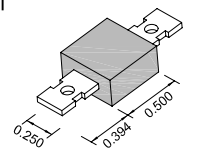
Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																									
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)			Bulk																								
ARS2505 ARS251 ARS252 ARS254 ARS256 ARS258 ARS2510	MR2500 MR2501 MR2502 MR2504 MR2506 MR2508 MR2510	25.0 A	50 100 200 400 600 800 1000	400	1.05	5.0	200	ARS 																									
AR2505 AR251 AR252 AR254 AR256 AR258 AR2510	AR25A AR25B AR25D AR25G AR25J AR25K AR25M		25.0 A					50 100 200 400 600 800 1000	400	1.05	5.0	200	AR 																				
ARS3505 ARS351 ARS352 ARS354 ARS356 ARS358 ARS3510	AR3500S AR3501S AR3502S AR3504S AR3506S AR3508S AR3510S							35.0 A					50 100 200 400 600 800 1000	500	1.05	5.0	200	ARS 															
AR3505 AR351 AR352 AR354 AR356 AR358 AR3510	AR3500 AR3501 AR3502 AR3504 AR3506 AR3508 AR3510												35.0 A					50 100 200 400 600 800 1000	500	1.05	5.0	200	AR 										
ARS501 ARS502 ARS503 ARS504 ARS506	AR5001S AR5002S AR5004S AR5006S AR5008S																	50.0 A					100 200 300 400 600	600	1.08 @ 80A	5.0	200	ARS 					
AR501 AR502 AR503 AR504	AR5001 AR5002 AR5003 AR5004																						50.0 A					100 200 300 400	600	1.08 @ 80A	5.0	200	AR 
AR701 AR702 AR703 AR704	AR7001 AR7002 AR7003 AR7004																											70.0 A					100 200 300 400

High Voltage Rectifier Assemblies

Rectifiers

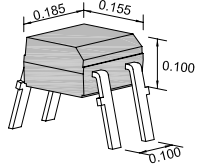
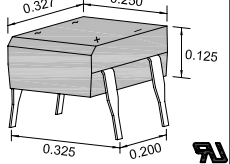
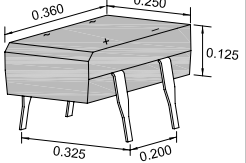
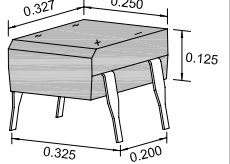
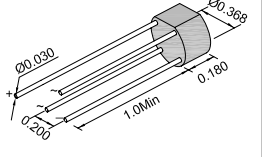
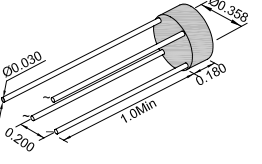
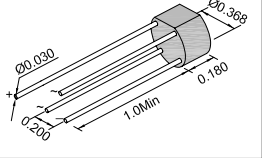
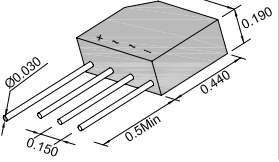
Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I_o	Max. Reverse Current @ V_{RRM}	Package	Outline (Typ. in Inches)																				
		$I_o(AV)$	$V_{RRM}(V)$	$I_{FSM}(A)$	$V_F(V)$	$I_R(\mu A)$																						
THV308 THV310 THV312 THV314 THV315 THV316	HV8 HV10 HV12 HV14 HV15 HV16	350 mA	8000 10000 12000 14000 15000 16000	30	10 10 12 15 15 15	5.0	50	THV3 																				
THV506 THV508 THV510 THV512 THV514 THV515 THV516	HVM6 HVM8 HVM10 HVM12 HVM14 HVM15 HVM16		550 mA		6000 8000 10000 12000 14000 15000 16000				30	10.0 10.0 10.0 13.5 14.0 14.0 14.0	5.0	50	THV5 															
THV506T THV508T THV510T THV512T THV514T THV515T THV516T	- - - - - - -				750 mA					6000 8000 10000 12000 14000 15000 16000				30	8.0 13.5 13.5 13.5 14.0 14.0 14.0	5.0	50	THV5T 										
THV705 THV708 THV710 THV712 THV714 THV715 THV716	HVP5 HVP8 HVP10 HVP12 HVP14 HVP15 HVP16									6.0 A					5000 8000 10000 12000 14000 15000 16000				50	8.0 8.0 10.0 14.0 14.0 14.0 16.0	5.0	50	THV7 					
GT605G GT61G GT62G GT64G GT66G GT68G GT610G	GT60-005 GT60-01 GT60-02 GT60-04 GT60-06 GT60-08 GT60-10														6.0 A					50 100 200 400 600 800 1000				400	1.0	10.0	100	GT 

Glass Passivated Quick Connect Rectifiers

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I_o	Max. Reverse Current @ V_{RRM}	Package	Outline (Typ. in Inches)
		$I_o(AV)$	$V_{RRM}(V)$	$I_{FSM}(A)$	$V_F(V)$	$I_R(\mu A)$		
GT605G GT61G GT62G GT64G GT66G GT68G GT610G	GT60-005 GT60-01 GT60-02 GT60-04 GT60-06 GT60-08 GT60-10	6.0 A	50 100 200 400 600 800 1000	400	1.0	10.0	100	GT 

Glass Passivated Bridge Rectifiers

Bridge

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated Io	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																										
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk																											
MB1M MB2M MB4M MB6M MB8M MB10M	B1S B2S B4S B6S B8S B10S	0.5 A	100 200 400 600 800 1000	30	1.0	5.0	100/Tube	DFM 																										
DF005M DF01M DF02M DF04M DF06M DF08M DF10M DF12M	DB101G DB102G DB103G DB104G DB105G DB106G DB107G -		1.0 A					50 100 200 400 600 800 1000 1200	50	1.1	5.0	50/Tube	DF 																					
DB101GL DB102GL DB103GL DB104GL DB105GL DB106GL DB107GL	- - - - - - -							50 100 200 400 600 800 1000					50	1.1	10.0	50/Tube	DFL 																	
DB151G DB152G DB153G DB154G DB155G DB156G DB157G	- - - - - - -							50 100 200 400 600 800 1000									50	1.1	10.0	50/Tube	DF 													
W005G W01G W02G W04G W06G W08G W10G	RB151G RB152G RB153G RB154G RB155G RB156G RB157G							1.5 A													50 100 200 400 600 800 1000	50	1.0 @ 1.0 A	5.0	100	WOG 								
RB151G RB152G RB153G RB154G RB155G RB156G RB157G	W005G W01G W02G W04G W06G W08G W10G																				50 100 200 400 600 800 1000					50	1.0 @ 1.0 A	10.0	250(bag) 1000(box)	RB 				
2W005G 2W01G 2W02G 2W04G 2W06G 2W08G 2W10G	- - - - - - -	2.0 A		50 100 200 400 600 800 1000	60	1.1	5.0														100									WOG 				
TP200G TP201G TP202G TP204G TP206G TP208G TP210G	2KBP005M 2KBP01M 2KBP02M 2KBP04M 2KBP06M 2KBP08M 2KBP10M			50 100 200 400 600 800 1000																										50	1.1 @ 3.14 A	10.0	600	TP 

Glass Passivated Bridge Rectifiers

Bridge

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																																				
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk																																					
TB305G TB31G TB32G TB34G TB36G TB38G TB310G	SB305G SB310G SB320G SB340G SB360G SB380G SB3100G	3.0 A	50 100 200 400 600 800 1000	60	1.0 @ 1.5 A	10.0	200																																					
GBPC1005 GBPC101 GBPC102 GBPC104 GBPC106 GBPC108 GBPC110	SB305G SB310G SB320G SB340G SB360G SB380G SB3100G		50 100 200 400 600 800 1000						60	1.0 @ 1.5 A	5.0	100																																
TL400G TL401G TL402G TL404G TL406G TL408G TL410G	GBL005 GBL01 GBL02 GBL04 GBL06 GBL08 GBL10		50 100 200 400 600 800 1000											150	1.1	10.0	400																											
GBL005 GBL01 GBL02 GBL04 GBL06 GBL08 GBL10	TL400G TL401G TL402G TL404G TL406G TL408G TL410G		50 100 200 400 600 800 1000																150	1.1	5.0	20/Tube																						
TU400G TU401G TU402G TU404G TU406G TU408G TU410G	KBU401G KBU402G KBU403G KBU404G KBU405G KBU406G KBU407G		50 100 200 400 600 800 1000																					200	1.0	5.0	400																	
GBU4A GBU4B GBU4D GBU4G GBU4J GBU4K GBU4M	- - - - - - -		50 100 200 400 600 800 1000																										150	1.0	5.0	20/Tube												
TB605G TB61G TB62G TB64G TB66G TB68G TB610G	- - - - - - -		6.0 A																															50 100 200 400 600 800 1000	175	1.0 @ 3.0 A	5.0	200						
GBPC6005 GBPC601 GBPC602 GBPC604 GBPC606 GBPC608 GBPC610	TB605G TB61G TB62G TB64G TB66G TB68G TB610G																																	50 100 200 400 600 800 1000						175	1.0 @ 3.0 A	5.0	100	

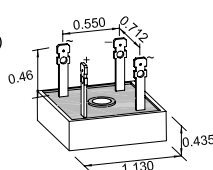
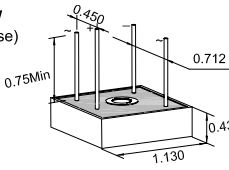
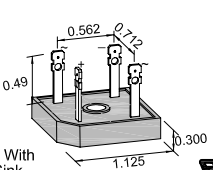
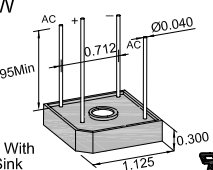
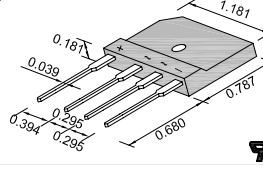
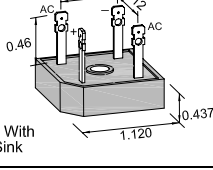
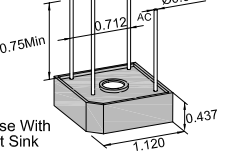
Glass Passivated Bridge Rectifiers

Bridge

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																																						
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk																																							
TU600G TU601G TU602G TU604G TU606G TU608G TU610G	KBU601G KBU602G KBU603G KBU604G KBU605G KBU606G KBU607G	6.0 A	50 100 200 400 600 800 1000	250	1.0	5.0	400																																							
GBU6A GBU6B GBU6D GBU6G GBU6J GBU6K GBU6M	- - - - - -		50 100 200 400 600 800 1000						175	1.0	5.0	20/Tube																																		
TU800G TU801G TU802G TU804G TU806G TU808G TU810G	KBU801G KBU802G KBU803G KBU804G KBU805G KBU806G KBU807G		8.0 A											50 100 200 400 600 800 1000	300	1.0	10.0	400																												
GBU8A GBU8B GBU8D GBU8G GBU8J GBU8K GBU8M	- - - - - -													50 100 200 400 600 800 1000						200	1.0	5.0	20/Tube																							
TU1000G TU1001G TU1002G TU1004G TU1006G TU1008G TU1010G	KBU1001G KBU1002G KBU1003G KBU1004G KBU1005G KBU1006G KBU1007G													10.0 A											50 100 200 400 600 800 1000	300	1.0	10.0	400																	
GBJ10005 GBJ1001 GBJ1002 GBJ1004 GBJ1006 GBJ1008 GBJ1010	GBJ10A GBJ10B GBJ10D GBJ10G GBJ10J GBJ10K GBJ10M																								50 100 200 400 600 800 1000						170	1.05 @ 5 A	10.0	20/Tube												
TB1505G TB151G TB152G TB154G TB156G TB158G TB1510G	MB1505G MB151G MB152G MB154G MB156G MB158G MB1510G																								15.0 A											50 100 200 400 600 800 1000	200	1.1 @ 7.5 A	5.0	50	<p>Plastic Case With Metal Heat Sink</p>					
TB1505GW TB151GW TB152GW TB154GW TB156GW TB158GW TB1510GW	MB1505GW MB151GW MB152GW MB154GW MB156GW MB158GW MB1510GW																																			50 100 200 400 600 800 1000						200	1.1 @ 7.5 A	5.0	50	<p>Plastic Case With Metal Heat Sink</p>

Glass Passivated Bridge Rectifiers

Bridge

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)									
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk										
MB1505G MB151G MB152G MB154G MB156G MB158G MB1510G	TB1505G TB151G TB152G TB154G TB156G TB158G TB1510G	15.0 A	50 100 200 400 600 800 1000	200	1.1 @ 7.5 A	10.0	50	MB35 (Metal Case) 									
MB1505GW MB151GW MB152GW MB154GW MB156GW MB158GW MB1510GW	TB1505GW TB151GW TB152GW TB154GW TB156GW TB158GW TB1510GW		50 100 200 400 600 800 1000					200	1.1 @ 7.5 A	10.0	50	MB35W (Metal Case) 					
GBPC15-005 GBPC15-01 GBPC15-02 GBPC15-04 GBPC15-06 GBPC15-08 GBPC15-10	TB1505G TB151G TB152G TB154G TB156G TB158G TB1510G		50 100 200 400 600 800 1000									300	1.1 @ 7.5 A	5.0	100	GBPC35  Plastic Case With Metal Heat Sink	
GBPC15-005W GBPC15-01W GBPC15-02W GBPC15-04W GBPC15-06W GBPC15-08W GBPC15-10W	TB1505GW TB151GW TB152GW TB154GW TB156GW TB158GW TB1510GW		50 100 200 400 600 800 1000					300	1.1 @ 7.5 A	5.0	100					GBPC35W  Plastic Case With Metal Heat Sink	
GBJ15005 GBJ1501 GBJ1502 GBJ1504 GBJ1506 GBJ1508 GBJ1510	GBJ15A GBJ15B GBJ15D GBJ15G GBJ15J GBJ15K GBJ15M		50 100 200 400 600 800 1000													240	1.05 @ 7.5 A
GBJ20005 GBJ2001 GBJ2002 GBJ2004 GBJ2006 GBJ2008 GBJ2010	GBJ20A GBJ20B GBJ20D GBJ20G GBJ20J GBJ20K GBJ20M		50 100 200 400 600 800 1000					240	1.1 @ 10 A	10.0	20/Tube	GBJ 					
TB2505G TB251G TB252G TB254G TB256G TB258G TB2510G	MB2505G MB251G MB252G MB254G MB256G MB258G MB2510G		25.0 A									50 100 200 400 600 800 1000	300	1.1 @ 12.5 A	10.0	50	TB35  Plastic Case With Metal Heat Sink
TB2505GW TB251GW TB252GW TB254GW TB256GW TB258GW TB2510GW	MB2505GW MB251GW MB252GW MB254GW MB256GW MB258GW MB2510GW							50 100 200 400 600 800 1000	300	1.1 @ 12.5 A	10.0	50					TB35W  Plastic Case With Metal Heat Sink

Glass Passivated Bridge Rectifiers

Bridge

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)									
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk										
MB2505G MB251G MB252G MB254G MB256G MB258G MB2510G	TB2505G TB251G TB252G TB254G TB256G TB258G TB2510G	25.0 A	50 100 200 400 600 800 1000	300	1.1 @ 12.5 A	10.0	50	MB35 (Metal Case) 									
MB2505GW MB251GW MB252GW MB254GW MB256GW MB258GW MB2510GW	TB2505GW TB251GW TB252GW TB254GW TB256GW TB258GW TB2510GW		50 100 200 400 600 800 1000					MB35W (Metal Case) 									
GBPC25-005 GBPC25-01 GBPC25-02 GBPC25-04 GBPC25-06 GBPC25-08 GBPC25-10	TB2505G TB251G TB252G TB254G TB256G TB258G TB2510G		50 100 200 400 600 800 1000					GBPC35 									
GBPC25-005W GBPC25-01W GBPC25-02W GBPC25-04W GBPC25-06W GBPC25-08W GBPC25-10W	TB2505GW TB251GW TB252GW TB254GW TB256GW TB258GW TB2510GW		50 100 200 400 600 800 1000					GBPC35W 									
GBJ25005 GBJ2501 GBJ2502 GBJ2504 GBJ2506 GBJ2508 GBJ2510	GBJ25A GBJ25B GBJ25D GBJ25G GBJ25J GBJ25K GBJ25M		50 100 200 400 600 800 1000					350	1.05 @ 12.5 A	10.0	20/Tube	GBJ 					
TB3505G TB351G TB352G TB354G TB356G TB358G TB3510G	MB3505G MB351G MB352G MB354G MB356G MB358G MB3510G		35.0 A					50 100 200 400 600 800 1000	400	1.1 @ 17.5 A	10.0	50	TB35 				
TB3505GW TB351GW TB352GW TB354GW TB356GW TB358GW TB3510GW	MB3505GW MB351GW MB352GW MB354GW MB356GW MB358GW MB3510GW							50 100 200 400 600 800 1000					TB35W 				
MB3505G MB351G MB352G MB354G MB356G MB358G MB3510G	TB3505G TB351G TB352G TB354G TB356G TB358G TB3510G							50 100 200 400 600 800 1000					300	1.1 @ 17.5 A	10.0	50	MB35 (Metal Case)

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																														
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk																															
MB3505GW MB351GW MB352GW MB354GW MB356GW MB358GW MB3510GW	TB3505GW TB351GW TB352GW TB354GW TB356GW TB358GW TB3510GW	35.0 A	50 100 200 400 600 800 1000	300	1.1 @ 17.5 A	10.0	50	MB35W (Metal Case) 																														
GBPC35-005 GBPC35-01 GBPC35-02 GBPC35-04 GBPC35-06 GBPC35-08 GBPC35-10	TB3505G TB351G TB352G TB354G TB356G TB358G TB3510G		50 100 200 400 600 800 1000					400	1.1 @ 17.5 A	5.0	100	GBPC35 																										
GBPC35-005W GBPC35-01W GBPC35-02W GBPC35-04W GBPC35-06W GBPC35-08W GBPC35-10W	TB3505GW TB351GW TB352GW TB354GW TB356GW TB358GW TB3510GW		50 100 200 400 600 800 1000									400	1.1 @ 17.5 A	5.0	100	GBPC35W 																						
GBJ35005 GBJ3501 GBJ3502 GBJ3504 GBJ3506 GBJ3508 GBJ3510	GBJ35A GBJ35B GBJ35D GBJ35G GBJ35J GBJ35K GBJ35M		50 100 200 400 600 800 1000													350	1.1 @ 17.5 A	10.0	20/Tube	GBJ 																		
GBPC40-005 GBPC40-01 GBPC40-02 GBPC40-04 GBPC40-06 GBPC40-08 GBPC40-10	TB4005G TB401G TB402G TB404G TB406G TB408G TB410G		40.0 A																	50 100 200 400 600 800 1000	400	1.1 @ 20.0 A	10.0	50	GBPC35 													
TB4005G TB401G TB402G TB404G TB406G TB408G TB410G	- - - - - - -																			50 100 200 400 600 800 1000					400	1.1 @ 20.0 A	5.0	50	TB35 									
GBPC50-005 GBPC50-01 GBPC50-02 GBPC50-04 GBPC50-06 GBPC50-08 GBPC50-10	TB5005G TB501G TB502G TB504G TB506G TB508G TB510G																			50.0 A									50 100 200 400 600 800 1000	450	1.1 @ 25.0 A	10	50	GBPC35 				
TB5005G TB501G TB502G TB504G TB506G TB508G TB510G	- - - - - - -																												50 100 200 400 600 800 1000					450	1.1 @ 25.0 A	5.0	50	TB35

Bridge Rectifiers

Bridge

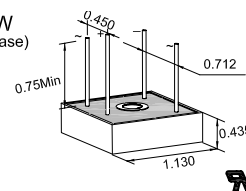
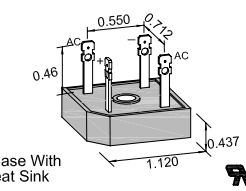
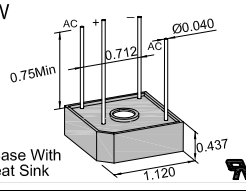
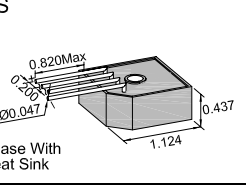
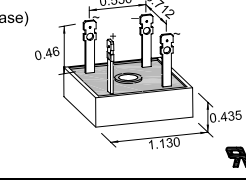
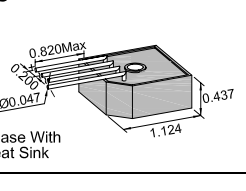
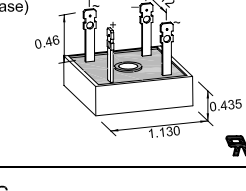
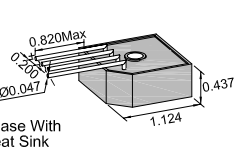
Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated Io	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																									
		I _o (A)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk																										
RB151 RB152 RB153 RB154 RB155 RB156 RB157	- - - - - - -	1.5 A	50 100 200 400 600 800 1000	50	1.0 @ 1 A	5.0	250(bag) 1000(box)																										
W005M W01M W02M W04M W06M W08M W10M	- - - - - - -		50 100 200 400 600 800 1000						50	1.0 @ 1 A	5.0	250(bag) 1000(box)																					
2W005M 2W01M 2W02M 2W04M 2W06M 2W08M 2W10M	2W005 2W01 2W02 2W04 2W06 2W08 2W10		50 100 200 400 600 800 1000											50	1.1	5.0	250(bag) 1000(box)																
BR805DTP200 BR81DTP201 BR82DTP202 BR84DTP204 BR86DTP206 BR88DTP208 BR810DTP210	KBP005M KBP01M KBP02M KBP04M KBP06M KBP08M KBP10M		50 100 200 400 600 800 1000																50	1.0 @ 1 A 1.3 @ 1.57 A	5.0	250(bag) 1000(box)											
TB305 TB31 TB32 TB34 TB36 TB38 TB310	KBPC1005 KBPC101 KBPC102 KBPC104 KBPC106 KBPC108 KBPC110		50 100 200 400 600 800 1000																					60	1.0 @ 1.5 A	5.0	200						
TL400 TL401 TL402 TL404 TL406 TL408 TL410	KBL005 KBL01 KBL02 KBL04 KBL06 KBL08 KBL10		50 100 200 400 600 800 1000																										200	1.1	5.0	400	
TU400 TU401 TU402 TU404 TU406 TU408 TU410	KBU4A KBU4B KBU4D KBU4G KBU4J KBU4K KBU4M		50 100 200 400 600 800 1000																														
TU600 TU601 TU602 TU604 TU606 TU608 TU610	KBU6A KBU6B KBU6D KBU6G KBU6J KBU6K KBU6M	50 100 200 400 600 800 1000	250	1.0	5.0	400																											

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated Io	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																														
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk																															
TB605 TB61 TB62 TB64 TB66 TB68 TB610	KBPC6005 KBPC601 KBPC602 KBPC604 KBPC606 KBPC608 KBPC610	6.0 A	50 100 200 400 600 800 1000	125	1.0 @ 3 A	5.0	200	TB6 																														
TB805 TB81 TB82 TB84 TB86 TB88 TB810	KBPC8005 KBPC801 KBPC802 KBPC804 KBPC806 KBPC808 KBPC810		8.0 A						50 100 200 400 600 800 1000	125	1.1 @ 4 A	5.0	200	TB10 																								
TU800 TU801 TU802 TU804 TU806 TU808 TU810	KBU8A KBU8B KBU8D KBU8G KBU8J KBU8K KBU8M								10.0 A						50 100 200 400 600 800 1000	300	1.0	5.0	400	TU 																		
TB1005M TB101M TB102M TB104M TB106M TB108M TB1010M	MB1005 MB101 MB102 MB104 MB106 MB108 MB1010														10.0 A						50 100 200 400 600 800 1000	150	1.1 @ 5 A	5.0	200	TB6 												
TB1005 TB101 TB102 TB104 TB106 TB108 TB1010	BR1005 BR101 BR102 BR104 BR106 BR108 BR1010																				15.0 A						50 100 200 400 600 800 1000	150	1.1 @ 5 A	5.0	200	TB10 						
TU1000 TU1001 TU1002 TU1004 TU1006 TU1008 TU1010	KBU1001 KBU1002 KBU1003 KBU1004 KBU1005 KBU1006 KBU1007																										15.0 A						50 100 200 400 600 800 1000	300	1.1	5.0	400	TU
MB1505 MB151 MB152 MB154 MB156 MB158 MB1510	SB1505 SB151 SB152 SB154 SB156 SB158 SB1510																																15.0 A					
MB1505W MB151W MB152W MB154W MB156W MB158W MB1510W	SB1505W SB151W SB152W SB154W SB156W SB158W SB1510W	15.0 A		50 100 200 400 600 800 1000	300	1.1 @ 7.5 A	10.0	50																														

Bridge Rectifiers

Bridge

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated I _o	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)										
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk											
TB1505 TB151 TB152 TB154 TB156 TB158 TB1510	KBPC15-005 KBPC15-01 KBPC15-02 KBPC15-04 KBPC15-06 KBPC15-08 KBPC15-10	15.0 A	50 100 200 400 600 800 1000	300	1.1 @ 7.5 A	10.0	50	TB35 Plastic Case With Metal Heat Sink										
TB1505W TB151W TB152W TB154W TB156W TB158W TB1510W	KBPC15-005W KBPC15-01W KBPC15-02W KBPC15-04W KBPC15-06W KBPC15-08W KBPC15-10W		50 100 200 400 600 800 1000					TB35W Plastic Case With Metal Heat Sink										
MB2505 MB251 MB252 MB254 MB256 MB258 MB2510	SB2505 SB251 SB252 SB254 SB256 SB258 SB2510		25.0 A					50 100 200 400 600 800 1000	300	1.1 @ 12.5 A	10.0	50	MB35 (Metal Case) Metal Case					
MB2505W MB251W MB252W MB254W MB256W MB258W MB2510W	SB2505W SB251W SB252W SB254W SB256W SB258W SB2510W							50 100 200 400 600 800 1000					MB35W (Metal Case) Metal Case					
TB2505 TB251 TB252 TB254 TB256 TB258 TB2510	KBPC25-005 KBPC25-01 KBPC25-02 KBPC25-04 KBPC25-06 KBPC25-08 KBPC25-10							50 100 200 400 600 800 1000					TB35 Plastic Case With Metal Heat Sink					
TB2505W TB251W TB252W TB254W TB256W TB258W TB2510W	KBPC25-005W KBPC25-01W KBPC25-02W KBPC25-04W KBPC25-06W KBPC25-08W KBPC25-10W							50 100 200 400 600 800 1000					TB35W Plastic Case With Metal Heat Sink					
KBPC25-005S KBPC25-01S KBPC25-02S KBPC25-04S KBPC25-06S KBPC25-08S KBPC25-10S	- - - - - - -							50 100 200 400 600 800 1000					KBPCS Plastic Case With Metal Heat Sink					
MB3505 MB351 MB352 MB354 MB356 MB358 MB3510	SB3505 SB351 SB352 SB354 SB356 SB358 SB3510							35.0 A					50 100 200 400 600 800 1000	400	1.1 @ 17.5 A	10.0	50	MB35 (Metal Case) Metal Case

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Repetitive Reverse Voltage	Peak Forward Surge Current	Max. Forward Voltage @ Rated Io	Max. Reverse Current @ V _{RRM}	Package	Outline (Typ. in Inches)																														
		I _o (AV)	V _{RRM} (V)	I _{FSM} (A)	V _F (V)	I _R (μA)	Bulk																															
MB3505W MB351W MB352W MB354W MB356W MB358W MB3510W	SB3505W SB351W SB352W SB354W SB356W SB358W SB3510W	35.0 A	50 100 200 400 600 800 1000	400	1.1 @ 17.5 A	10.0	50	MB35W (Metal Case) 																														
TB3505 TB351 TB352 TB354 TB356 TB358 TB3510	KBPC35-005 KBPC35-01 KBPC35-02 KBPC35-04 KBPC35-06 KBPC35-08 KBPC35-10		50 100 200 400 600 800 1000					400	1.1 @ 17.5 A	10.0	50	TB35  Plastic Case With Metal Heat Sink																										
TB3505W TB351W TB352W TB354W TB356W TB358W TB3510W	KBPC35-005W KBPC35-01W KBPC35-02W KBPC35-04W KBPC35-06W KBPC35-08W KBPC35-10W		50 100 200 400 600 800 1000									400	1.1 @ 17.5 A	10.0	50	TB35W  Plastic Case With Metal Heat Sink																						
KBPC35-005S KBPC35-01S KBPC35-02S KBPC35-04S KBPC35-06S KBPC35-08S KBPC35-10S	- - - - - - -		50 100 200 400 600 800 1000													400	1.1 @ 17.5 A	10.0	80	KBPCS  Plastic Case With Metal Heat Sink																		
MB4005 MB401 MB402 MB404 MB406 MB408 MB4010	- - - - - - -		40.0 A																	50 100 200 400 600 800 1000	400	1.2 @ 20 A	10.0	50	MB35 (Metal Case) 													
KBPC40-005S KBPC40-01S KBPC40-02S KBPC40-04S KBPC40-06S KBPC40-08S KBPC40-10S	- - - - - - -																			50 100 200 400 600 800 1000					400	1.1 @ 20 A	10.0	80	KBPCS  Plastic Case With Metal Heat Sink									
MB5005 MB501 MB502 MB504 MB506 MB508 MB5010	- - - - - - -																			50.0 A									50 100 200 400 600 800 1000	400	1.2 @ 25 A	10.0	50	MB35 (Metal Case) 				
KBPC50-005S KBPC50-01S KBPC50-02S KBPC50-04S KBPC50-06S KBPC50-08S KBPC50-10S	- - - - - - -																												50 100 200 400 600 800 1000					450	1.1 @ 25 A	10.0	80	KBPCS  Plastic Case With Metal Heat Sink

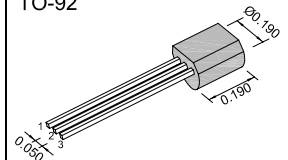
Small Signal General Purpose Transistors

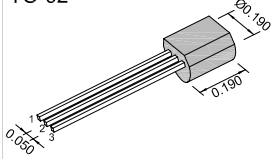
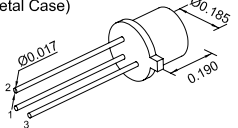
Bipolar Transistors

Part No.	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C		V _{CE(sat)} @ I _C		f _T @ I _C		Pins 123	Package Bulk/Reel	Outline (Typ. in Inches)
				Min.	Max.	Max.	I _C	Min.	I _C			
				(V)	(mA)	(V)	(mA)	(MHz)	(mA)			
BF370	NPN	15	0.10	40	-	1	10	-	-	500	10	CBE
2N2712		18	0.10	75	225	4.5	2.0	-	-	80	2	ECB
2N2714		18	0.10	75	225	4.5	2.0	0.3	50	-	-	ECB
BC368		20	1.00	50	-	1.0	500	0.50	5.0	40	10	ECB
BF254		20	0.03	65	220	10	1	-	-	*260	1	CEB
BF494		20	0.03	67	221	10	1	-	-	120	1	CEB
BF495		20	0.03	35	125	10	1	-	-	120	1	CEB
BF496		20	0.02	15	-	10	2	-	-	*550	2	CEB
BF959		20	0.10	35	-	10	5	1	30	700	20	CEB
2N2924		25	0.10	150	300	10	2.0	-	-	-	-	ECB
2N3392		25	0.10	150	300	4.5	2	-	-	-	-	ECB
2N3415		25	-	180	540	4.5	2	0.30	50	*120	20	ECB
2N5172		25	0.15	100	500	10	10	0.25	10	-	-	ECB
BC338-16		25	0.80	100	250	1.0	100	0.70	500	*100	10	CBE
BC338-25		25	0.80	160	400	1.0	100	0.70	500	*100	10	CBE
MPS4124		25	0.20	120	360	1	2	0.3	50	170	10	EBC
MPS6514		25	-	150	300	10.0	2	0.50	50	-	-	EBC
MPS6515		25	-	250	500	10.0	2	0.50	50	-	-	EBC
MPS6560		25	0.50	20	-	5	2	0.35	10	600	2	EBC
SS8050		25	1.50	85	300	1.0	100	0.50	800	100	50	EBC
SS8050D		25	1.50	160	300	1.0	100	0.50	800	100	50	EBC
2N3704		30	0.60	100	300	2.0	50	0.60	100	100	50	ECB
2N3705		30	0.60	50	150	2.0	50	0.8	100	100	50	ECB
BC548A		30	0.10	110	220	5.0	2	0.25/0.60	10/100	*300	10	CBE
BC548B		30	0.10	200	450	5.0	2	0.25/0.60	10/100	*300	10	CBE
BC548C		30	0.10	420	800	5.0	2	0.25/0.60	10/100	*300	10	CBE
MPS2222		30	0.60	35	-	10	0.1	0.4	150	250	20	EBC
MPS4123		30	0.20	50	150	1	2	0.3	50	100	10	EBC
PN3643		30	-	100	300	10.0	150	0.22	150	250	50	EBC
SS9011		30	0.10	29	273	5	1	0.3	10	250	10	EBC
SS9013		30	0.50	64	465	1	50	0.2	150	250	50	EBC
2N3903		40	0.20	50	150	1.0	10	0.20	10	250	10	EBC
2N3904		40	0.20	100	300	1.0	10	0.20/0.30	10/50	300	10	EBC
2N4400		40	0.60	50	150	1.0	150	0.75	50	200	20	EBC
2N4401		40	0.60	100	300	1.0	150	0.4/0.75	150/50	250	20	EBC
MPS2222A		40	0.60	35	-	10	0.1	0.3	150	300	20	EBC
MPS6531		40	-	90	270	1.0	100	0.30	100	-	-	EBC
MPSA10		40	0.10	40	400	10.0	5	-	-	125	5	EBC
MPSA20		40	0.10	40	400	10.0	5	0.25	10	125	5	EBC
PN2222A		40	0.60	100	300	10.0	150	1.00	500	300	20	EBC
PN3567		40	-	40	120	1.0	150	0.25	150	60	50	EBC
BC237		45	0.10	120	800	5.0	2	0.60/0.20	100/10	150	10	CBE
BC317		45	0.15	110	450	5.0	2	0.60	100	*280	10	EBC
BC337-16		45	0.80	100	250	1.0	100	0.70	500	*100	10	CBE
BC337-25		45	0.80	160	400	1.0	100	0.70	500	*100	10	CBE
BC337-40		45	0.80	250	630	1.0	100	0.70	500	*100	10	CBE
BC547A		45	0.10	110	220	5.0	2	0.25/0.60	10/100	*300	10	CBE
BC547B		45	0.10	200	450	5.0	2	0.25/0.60	10/100	*300	10	CBE
BC547C		45	0.10	420	800	5.0	2	0.25/0.60	10/100	*300	10	CBE
BC635		45	1	25	250	2	150	0.5	500	*200	50	ECB
PN100		45	0.50	100	450	1.0	10	0.40	200	250	20	EBC
2N3416		50	-	75	225	4.5	2	0.30	50	-	-	ECB
2N3417		50	-	180	540	4.5	2	0.30	50	-	-	ECB
2N5232		50	1.0	250	500	5	2	0.125	10	-	-	ECB
SS9014		50	0.1	60	1000	5	1	0.3	100	125	10	EBC
2N3859A		60	-	100	200	1.0	10	-	-	90	2	ECB
BC637		60	1	40	250	2	150	0.5	500	*200	50	ECB
MPS8098		60	0.50	100	300	5.0	1	0.30	100	150	10	EBC
MPSA05		60	0.50	100	-	1.0	100	0.25	100	100	10	EBC

TO-92

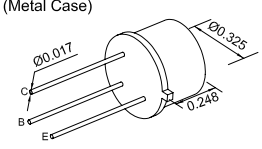
1000/
2000



Part No.	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C				V _{CE(sat)} @ I _C		f _T @ I _C		Pins 123	Package Bulk/Reel	Outline (Typ. in Inches)
				Min.	Max.	V _{CE} (V)	I _C (mA)	Max. (V)	I _C (mA)	Min. (MHz)	I _C (mA)			
PN3568	NPN	60	-	40	120	1.0	150	0.25	150	60	50	EBC	TO-92 1000/ 2000 	
BC546		65	0.10	110	800	5.0	2	0.25	10	*300	10	CBE		
BC639		80	1	40	160	2	150	0.5	500	*200	50	ECB		
MPS8099		80	0.50	100	300	5.0	1	0.30	100	150	10	EBC		
MPSA06		80	0.50	100	-	1.0	100	0.25	100	100	10	EBC		
BF391		200	0.50	25	-	10	1	2	20	50	10	EBC		
BC369		PNP	20	1.00	85	375	1.0	500	0.50	1000	40	10		ECB
2N3702	25		0.60	60	300	5.0	50	0.25	50	100	50	ECB		
2N5447	25		-	60	300	8.0	50	0.25	50	100	50	CBE		
2N6076	25		-	100	300	10	10	0.25	10	-	-	ECB		
BC328-16	25		0.80	100	250	1.0	100	0.70	500	*100	10	CBE		
BC328-25	25		0.80	160	400	1.0	100	0.70	500	*100	10	CBE		
SS8550	25		1.50	85	300	1.0	100	0.50	800	100	50	EBC		
SS8550B	25		1.50	85	160	1.0	100	0.50	800	100	50	EBC		
SS8550C	25		1.50	120	200	1.0	100	0.50	800	100	50	EBC		
SS8550D	25		1.50	160	300	1.0	100	0.50	800	100	50	EBC		
2N3703	30		0.60	30	150	5.0	50	0.25	50	100	50	ECB		
BC558A	30		0.10	110	220	5.0	2	0.30/0.65	10/100	*150	10	CBE		
BC558B	30		0.10	200	450	5.0	2	0.30/0.65	10/100	*150	10	CBE		
BC558C	30		0.10	420	800	5.0	2	0.30/0.65	10/100	*150	10	CBE		
PN5138	30		-	50	800	10.0	0.1	0.30	10	30	0.5	EBC		
SS9012	30		0.50	64	465	1	50	0.2	150	250	50	EBC		
2N3905	40		0.20	30	-	1.0	10	0.25	10	200	10	EBC		
2N3906	40		0.20	100	300	1.0	10	0.25	10	250	10	EBC		
2N4403	40		0.60	100	300	2.0	150	0.4/0.75	150/50	250	20	EBC		
2N5366	40		-	100	300	1.0	50	0.25	50	-	-	ECB		
MPS2907	40		0.60	35	-	10	0.1	0.4	150	200	50	EBC		
MPS6517	40		0.10	90	180	10.0	2	0.50	50	-	-	EBC		
BC307	45		0.10	120	800	5.0	2	0.60/0.20	100/10	150	10	CBE		
BC327-16	45		0.80	100	250	1.0	100	0.70	500	*100	10	CBE		
BC327-25	45		0.80	160	400	1.0	100	0.70	500	*100	10	CBE		
BC327-40	45		0.80	250	630	1.0	100	0.70	500	*100	10	CBE		
BC557A	45		0.10	110	220	5.0	2	0.30/0.65	10/100	*150	10	CBE		
BC557B	45		0.10	200	450	5.0	2	0.30/0.65	10/100	*150	10	CBE		
BC557C	45		0.10	420	800	5.0	2	0.30/0.65	10/100	*150	10	CBE		
BC636	45		1	40	250	2	150	0.5	500	*150	50	ECB		
PN200	45		0.50	100	450	1.0	10	0.40	200	250	20	EBC		
PN3644	45		-	100	300	10.0	150	1.00	300	200	20	EBC		
SS9015	50		0.1	60	1000	5	1	0.7	100	125	10	EBC		
BC638	60		1	40	160	2	150	0.5	500	*150	50	ECB		
MPS2907A	60		0.60	75	-	10	0.1	0.4	150	200	50	EBC		
MPS8598	60		0.50	100	300	5.0	1	0.30	100	150	10	EBC		
MPSA55	60		0.50	100	-	1.0	100	0.25	100	50	10	EBC		
PN2907A	60		0.60	100	300	10.0	150	1.60	500	200	50	EBC		
PN4355	60		0.50	100	400	1.0	10	0.50	500	100	50	EBC		
BC556A	65		0.10	110	220	5.0	2	0.30	10	*150	10	CBE		
BC556B	65		0.10	200	450	5.0	2	0.30	10	*150	10	CBE		
BC640	80		1	40	160	2	150	0.5	500	*150	50	ECB		
MPS8599	80	0.50	100	300	5.0	1	0.30	100	150	10	EBC			
MPSA56	80	0.50	100	-	1.0	100	0.25	100	50	10	EBC			
2N2221A	NPN	40	0.8	25	-	10	500	0.3	150	250	20	BCE	TO-18 (Metal Case) 250/- 	
2N2222A	NPN	40	0.8	40	-	10	500	0.3	150	250	20	BCE		
2N2907A	PNP	60	0.6	50	-	10	500	0.4	150	200	50	BCE		

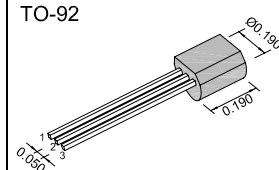
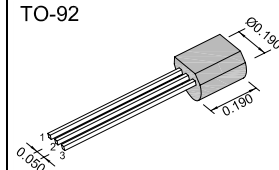
Small Signal General Purpose Transistors

Bipolar Transistors

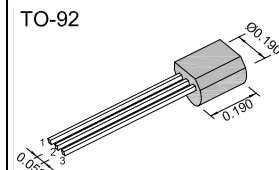
Part No.	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C				V _{CE(sat)} @ I _C		f _T @ I _C		Pins 123	Package Bulk/Reel	Outline (Typ. in Inches)
				Min.	Max.	V _{CE} (V)	I _C (mA)	Max.	I _C (mA)	Min.	I _C (mA)			
2N3300	NPN	30	0.5	50	-	10	500	0.22	150	250	50	-	250/-	TO-39 (Metal Case) 
2N2219A		40	0.5	100	300	-	150	-	-	300	20			
2N3053		40	0.7	50	250	10	150	1.4	150	100**	50			
2N4238		60	1	30	150	-	250	-	-	-	-			
2N4032	PNP	60	1	100	300	5	100	1	1000	150	50			
2N4033		80	1	100	300	5	100	0.5	500	150	50			
2N5322		75	2	30	130	4	500	0.7	500	-	-			

Note : * = TYP, ** = MAX.

Small Signal Low Noise Transistors

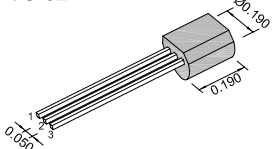
Part No.	Polarity	V _{CEO} (V)	I _C (A)	NF Max. (dB)	Condition Frequency	h _{FE} @ V _{CE} & I _C				V _{CE(sat)} @ I _C		Pins 123	Package Bulk/Reel	Outline (Typ. in Inches)
						Min.	Max.	V _{CE} (V)	I _C (mA)	Max.	I _C (mA)			
BC238	NPN	20	100	10.0	1 kHz	120	800	5	2.0	0.60	100	CBE	1000 / 2000	TO-92 
BC239		20	50	4.0	Audio	180	800	5	2.0	0.20	10	CBE		
2N4124		25	200	5.0	Audio	120	360	1	2.0	0.30	50	EBC		
2N5089		25	50	2.0	Audio	400	1200	5	0.1	0.50	10	EBC		
MPS6521		25	100	3.0	Audio	300	600	10	2.0	0.50	50	EBC		
2N4123		30	200	6.0	Audio	50	150	1	2.0	0.30	50	EBC		
2N5088		30	50	3.0	Audio	300	900	5	0.1	0.50	10	EBC		
MPSA18		45	-	1.5	100 MHz	500	1500	-	10.0	-	-	EBC		
2N5210		50	50	3.0	Audio	200	600	5	0.1	0.70	10	EBC		
2N5961		60	-	3.0	Audio	150	700	5	10.0	0.20	10	EBC		
2N4410	80	-	-	-	60	400	1	10.0	0.2	1	EBC			
BC308	PNP	20	100	10.0	1 kHz	120	800	5	2.0	0.60	100	CBE	1000 / 2000	TO-92 
BC309		20	50	4.0	Audio	180	800	5	2.0	0.20	10	CBE		
2N4126		25	200	4.0	Audio	120	360	1	2.0	0.40	50	EBC		
MPS6523		25	100	3.0	Audio	300	600	10	2.0	0.50	50	EBC		
2N4125		30	200	5.0	Audio	50	150	1	2.0	0.40	50	EBC		
PN4248		40	-	-	-	50	-	5	0.1	0.25	10	EBC		
PN4250		40	-	2.0	Audio	250	700	5	0.1	0.25	-	EBC		
2N5086		50	50	3.0	Audio	150	500	5	0.1	0.30	10	EBC		
2N5087		50	50	2.0	Audio	250	800	5	0.1	0.30	10	EBC		

Switching Low Noise Transistors

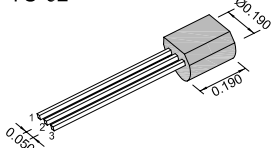
Part No.	Polarity	V _{CEO} (V)	I _C (mA)	f _T (MHz)	NF @ V _{CE} & I _C			h _{FE} @ V _{CE} & I _C				Pins 123	Package Bulk/Reel	Outline (Typ. in Inches)	
					Typ.	Max	V _{CE} (V)	I _C (μA)	Min.	Max.	V _{CE} (V)				I _C (mA)
BC549A	NPN	30	100	300	1.4	4	5	200	110	220	5	2	CBE	1000/ 2000	TO-92 
BC549B		30	100	300	1.4	4	5	200	200	450	5	2	CBE		
BC549C		30	100	300	1.4	4	5	200	420	800	5	2	CBE		
BC550A		45	100	300	1.4	10	5	200	110	220	5	2	CBE		
BC550B		45	100	300	1.4	10	5	200	200	450	5	2	CBE		
BC550C		45	100	300	1.4	10	5	200	420	800	5	2	CBE		
BC559A	PNP	-30	-100	150	1.2	4	5	200	110	220	-5	-2	CBE		
BC559B		-30	-100	150	1.2	4	5	200	200	450	-5	-2	CBE		
BC559C		-30	-100	150	1.2	4	5	200	420	800	-5	-2	CBE		
BC560A		-45	-100	150	1.2	4	5	200	110	220	-5	-2	CBE		
BC560B		-45	-100	150	1.2	4	5	200	200	450	-5	-2	CBE		
BC560C		-45	-100	150	1.2	4	5	200	420	800	-5	-2	CBE		

Saturated Switching Transistors

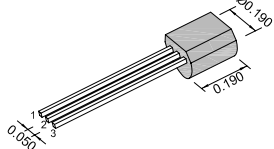
Bipolar Transistors

Part No.	Polarity	V _{CEO} (V)	h _{FE} @ V _{CE} & I _C		V _{CE(sat)} & V _{BE(sat)} @ I _C & I _B				t _(off) (ns)	Pins 123	Package Bulk/Reel	Outline (Typ. in Inches)	
			Min.	Max.	V _{CE} (V)	I _C (mA)	Max. (V)	Max. (V)					I _C (mA)
PN2369A	NPN	15	40	120	1.0	10	0.20	0.85	10	1	18	EBC	TO-92 
PN3646	NPN	15	30	120	0.4	30	0.20	0.95	30	3	28	EBC	
PN3640	PNP	12	30	120	0.3	10	0.20	1.00	10	1	75	EBC	

Small Signal High Voltage Transistors

Part No.	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C		V _{CE(sat)} @ I _C		f _T @ I _C		Pins 123	Package Bulk/Reel	Outline (Typ. in Inches)		
				Min.	Max.	V _{CE} (V)	I _C (mA)	Max. (V)	I _C (mA)				Min. (MHz)	I _C (mA)
2N5550	NPN	140	0.60	60	250	5	10	0.25	50	100	10	EBC	TO-92 	
2N5551		160	0.60	80	250	5	10	0.20	50	100	10	EBC		
MPSA43		200	0.50	40	-	10	30	0.50	20	50	10	EBC		
2N6515		250	0.50	50	300	10	30	0.50	30	40	10	EBC		
2N6516		300	0.50	45	270	10	30	0.50	30	40	10	EBC		
MPSA42		300	0.50	40	-	10	30	0.50	20	50	10	EBC		
2N6517		350	0.50	30	200	10	30	0.50	30	40	10	EBC		
MPSA45		350	0.30	50	200	10	10	0.50	10	-	-	EBC		
MPSA44		400	0.30	50	200	10	10	0.50	10	-	-	EBC		
2N5400		PNP	120	0.60	40	180	5	10	0.50	50	100	10		EBC
2N5401	150		0.60	60	240	5	10	0.50	50	100	10	EBC		
MPSA93	200		0.50	40	-	10	30	0.50	20	50	10	EBC		
2N6518	250		0.50	50	300	10	30	0.50	30	40	10	EBC		
2N6519	300		0.50	45	270	10	30	0.50	30	40	10	EBC		
MPSA92	300		0.50	40	-	10	30	0.50	20	50	10	EBC		
2N6520	350		0.50	30	200	10	30	0.50	30	40	10	EBC		
2N3440	NPN		250	1	40	160	10	20	0.5	50	30	10	-	250/-

Small Signal RF/VHF/UHF Transistors

Part No.	Polarity	V _{CEO} (V)	f _T @ V _{CE} & I _C		C _{ob} Max. (pF)	h _{FE} @ V _{CE} & I _C		NF @ f		Pins 123	Pack- age Bulk/ Reel	Outline (Typ. in Inches)			
			Min.	Max.		V _{CE} (V)	I _C (mA)	Max. (dB)	f (MHz)						
2N5770	NPN	15	900	1800	-	8	1.1	50	200	10	8	6.0	60	EBC	TO-92 
MPS5179		12	900	2000	6	5	*1.0	25	250	1	3	4.5	200	EBC	
MPSH10		25	650	-	10	4	*0.7	60	-	10	4	-	-	BEC	
MPSH11		25	650	-	10	4	*0.7	60	-	10	4	-	-	BEC	
PN3563		15	600	1500	10	8	1.7	20	200	8	10	-	-	EBC	
PN918		15	600	1500	-	8	1.7	20	-	1	3	6.0	60	EBC	

* = Ccb

High Speed Metal Can Transistors

Bipolar Transistors

Part No.	Polarity	V_{CE0} (sust) Min.	t_{on} Max.	t_{off} @ I_C		h_{FE} @ I_C		$V_{CE(sat)}$ @ I_C & I_B			f_T Min.	P_D @ 25°C	Package	Outline (Typ. in Inches)
		(V)	(ns)	Max.	I_C (mA)	Min.	(mA)	Max.	I_C (mA)	I_B (mA)	(MHz)	(mW)	Bulk	
		2N2369	NPN	15	12	18	10	40	10	0.25	10	1.0	500	
2N2369A	15	12		18	10	40	10	0.20	10	1.0	500	360		
2N708	15	40		70	10	30	10	0.40	10	1.0	300	360		
2N3467	PNP	40	40	90	500	40	500	0.50	500	50	175	1000	250	

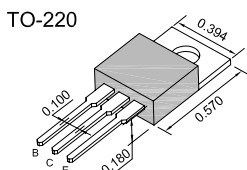
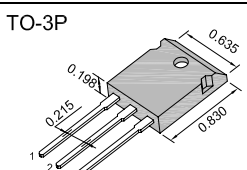
Small Signal Darlington Transistors

Part No.	Polarity	V_{CE0}	I_C	h_{FE} @ V_{CE} & I_C				$V_{CE(sat)}$ @ I_C		f_T @ I_C		Pins	Package	Outline (Typ. in Inches)
		(V)	(A)	Min.	Max.	V_{CE} (V)	I_C (mA)	Max.	I_C (mA)	Min.	I_C (mA)	123	Bulk/Reel	
		2N5306	NPN	-	-	7K	70K	5	2	1.4	200	60	2	
2N5307	-	-		2K	20K	5	2	1.4	200	60	2	ECB		
2N5308	-	-		7K	70K	5	2	1.4	200	60	2	ECB		
MPSA12	20	0.5		20K	-	5	10	1.0	10	-	-	EBC		
MPSA13	30	0.5		20K	-	5	100	1.5	100	125	10	EBC		
MPSA14	30	0.5		10K	-	5	100	1.5	100	125	10	EBC		
2N6427	40	-	14K	140K	5	500	1.5	500	130	10	EBC			
MPSA62	PNP	20	0.5	20K	-	5	10	1.0	10	-	-	EBC		
MPSA63		30	0.5	20K	-	5	100	1.5	100	125	10	EBC		
MPSA64		30	0.5	10K	-	5	100	1.5	100	125	10	EBC		
MPSA65		30	0.5	50K	-	-	10	1.5	100	100	-	EBC		

Power Transistors

Bipolar Transistors

Part No.	Polarity	V_{CE0}	I_C	P_C	h_{FE} @ V_{CE} & I_C		$V_{CE(sat)}$ @ I_C		f_T @ I_C		Package	Outline (Typ. in Inches)		
		(V)	(A)	(W)	Min.	Max.	V_{CE} (V)	I_C (A)	Max.	I_C (A)	Min.		I_C (A)	Tube
		MJE340	NPN	300	0.5	20.0	30	240	10	0.05	-		-	-
MJE350	PNP	300	0.5	20.0	30	240	10	0.05	-	-	-	-		
C44VH10	NPN	30	10	83	40	-	4	4.00	1	-	-	-	50	
2N5296		40	4	36	30	120	4	1.00	1	1	0.8	0.2		
TIP29		40	1.0	30.0	15	75	4	1.00	0.70	1	3	0.2		
TIP31		40	3.0	40.0	10	50	4	3.00	1.20	3	3	0.5		
TIP41		40	6.0	65.0	15	75	4	3.00	1.50	6	3	0.5		
2N6121		45	4	40	10	-	2	4.00	1.4	4	2.5	1.0		
2N6290		50	7	40	2.3	-	4	7.00	3.5	7	4	0.5		
2N5298		60	4	36	20	80	4	1.50	1	1.5	0.8	0.2		
2N6122		60	4	40	25	100	2	1.50	0.6	1.5	2.5	1.0		
C44C8		60	4	30	20	-	1	2.00	0.5	1	*50	2.0		

Part No.	Polarity	V _{CEO} (V)	I _C (A)	P _C (W)	h _{FE}		@ V _{CE} & I _C		V _{CE(sat)} @ I _C		f _T @ I _C		Package Tube	Outline (Typ. in Inches)	
					Min.	Max.	V _{CE} (V)	I _C (A)	Max. (V)	I _C (A)	Min. (MHz)	I _C (A)			
MJE3055T	NPN	60	10.0	75.0	20	100	4	4.00	1.10	4	2	0.5	50	TO-220 	
TIP29A		60	1.0	30.0	15	75	4	1.00	0.70	1	3	0.2			
TIP31A		60	3.0	40.0	10	50	4	3.00	1.20	3	3	0.5			
TIP41A		60	6.0	65.0	15	75	4	3.00	1.50	6	3	0.5			
2N5294		70	4	36	30	120	4	0.50	1	0.5	0.8	0.2			
2N6292		70	7	40	2.3	-	4	7.00	3.5	7	4	0.5			
C44C11		80	4	30	20	-	1	2.00	0.5	1	*50	2.0			
C44H11		80	10	50	35	-	2	2.00	1.85	8	*50	0.5			
TIP29B		80	1.0	30.0	15	75	4	1.00	0.70	1	3	0.2			
TIP31B		80	3.0	40.0	10	50	4	3.00	1.20	3	3	0.5			
TIP41B		80	6.0	65	15	75	4	3.0	1.50	6	3	0.5			
TIP29C		100	1.0	30	15	75	4	1.0	0.70	1	3	0.2			
TIP31C		100	3.0	40	10	50	4	3.0	1.20	3	3	0.5			
TIP41C		100	6.0	65	15	75	4	3.0	1.50	6	3	0.5			
MJE15028		120	8	50	20	-	2	4.0	0.5	1	30	0.5			
MJE15030		150	8	50	20	-	2	4.0	0.5	1	30	0.5			
TIP47		250	1.0	40	30	150	10	0.3	1.0	1	10	0.2			
MJE13004		300	4	75	10	60	5	1.0	0.5	1	4.0	0.5			
MJE13006		300	8	80	8	60	5	2.0	1.0	2	4.0	0.5			
TIP48		300	1.0	40	30	150	10	0.3	1.0	1	10	0.2			
TIP49		350	1.0	40	30	150	10	0.3	1.0	1	10	0.2			
MJE13005		400	4	75	10	60	5	1.0	0.5	1	4.0	0.5			
MJE13007		400	8	80	5	30	5	5.0	3.0	8	4.0	0.5			
TIP50		400	1.0	40	30	150	10	0.3	1.0	1	10	0.2			
TIP30		PNP	40	1.0	30	15	75	4	1.0	0.70	1	3			0.2
TIP32			40	3.0	40	10	50	4	3.0	1.20	3	3			0.5
TIP42			40	6.0	65	15	75	4	3.0	1.50	6	3			0.5
C44H5			45	10	50	60	-	2	2.0	1.85	8	*50			0.5
C45C5			45	4	30	20	-	1	1.0	0.5	1	*40			2.0
C45H5			45	10	50	60	-	2	2.0	1.85	8	*50			0.5
2N6109	50		7	40	30	150	4	2.5	3.5	7	10	0.5			
C45C8	60		4	30	20	-	1	1.0	0.5	1	*40	2.0			
MJE2955T	60		10.0	75	20	100	4	4.0	1.10	4	2	0.5			
TIP30A	60		1.0	30	15	75	4	1.0	0.70	1	3	0.2			
TIP32A	60		3.0	40	10	50	4	3.0	1.20	3	3	0.5			
TIP42A	60		6.0	65	15	75	4	3.0	1.50	6	3	0.5			
2N6107	70		7	40	2.3	-	4	7.0	3.5	7	10	0.5			
C45C11	80		4	30	20	-	1	1.0	0.5	1	*40	2.0			
C45H11	80		10	50	35	-	2	2.0	1.85	8	*40	0.5			
TIP30B	80		1.0	30	15	75	4	1.0	0.70	1	3	0.2			
TIP32B	80		3.0	40	10	50	4	3.0	1.20	3	3	0.5			
TIP42B	80		6.0	65	15	75	4	3.0	1.50	6	3	0.5			
TIP30C	100		1.0	30	15	75	4	1.0	0.70	1	3	0.2			
TIP32C	100		3.0	40	10	50	4	3.0	1.20	3	3	0.5			
TIP42C	100	6.0	65	15	75	4	3.0	1.50	6	3	0.5				
MJE15029	120	8	50	20	-	2	4.0	0.5	1	30	0.5				
MJE15031	150	8	50	20	-	2	4.0	0.5	1	30	0.5				
TIP3055	NPN	60	15	80	5	-	4	10	3.0	10	2.5	-	30	TO-3P 	
TIP33C		100	10	80	20	-	-	3	-	-	3.0	-			
TIP35C	100	25	125	10	75	4	15	1.8	15	3.0	-				
TIP2955	PNP	60	15	80	5	-	4	10	3.0	10	2.5	-			
TIP36C		100	25	125	10	75	4	15	1.8	15	3.0	-			

* =Typ.

Darlington Power Transistors

Bipolar Transistors

Part No.	Polarity	V _{CEO} (V)	I _C (A)	P _C (W)	h _{FE} @ V _{CE} & I _C		V _{CE(sat)} @ I _C & I _B				Package Tube	Outline (Typ. in Inches)		
					Min.	Max.	V _{CE} (V)	I _C (A)	Max. (V)	I _C (A)			I _B (A)	
2N6037	NPN	40	4	40	750	15K	3.0	2.0	2.0	2.0	-	50	TO-126 	
2N6038		60	4	40	750	15K	3.0	2.0	2.0	2.0	-			
2N6039		80	4	40	750	15K	3.0	2.0	2.0	2.0	-			
2N6034	PNP	40	4	40	750	15K	3.0	2.0	2.0	2.0	-			
2N6036		80	4	40	750	15K	3.0	2.0	2.0	2.0	-			
TIP100	NPN	60	8	80	1000	20K	4	3.0	2.0	3.0	0.006			50
TIP110		60	2	50	500	-	4	2.0	2.5	2.0	0.008			
TIP120		60	5	65	1000	-	3	3.0	2.0	3.0	0.012			
TIP130		60	8	70	500	-	4	1.0	2.0	4.0	-			
TIP101		80	8	80	1000	20K	4	3.0	2.0	3.0	0.006			
TIP111		80	2	50	500	-	4	2.0	2.5	2.0	0.008			
TIP121		80	5	65	1000	-	3	3.0	2.0	3.0	0.012			
TIP131		80	8	70	500	-	4	1.0	2.0	4.0	-			
TIP102		100	8	80	1000	20K	4	3.0	2.0	3.0	0.006			
TIP112		100	2	50	500	-	4	2.0	2.5	2.0	0.008			
TIP122		100	5	65	1000	-	3	3.0	2.0	3.0	0.012			
TIP132		100	8	70	1000	15K	4	4.0	2.0	4.0	-			
TIP105		PNP	60	8	80	1000	20K	4	3.0	2.0	3.0	0.006		
TIP115			60	2	50	500	-	4	2.0	2.5	2.0	0.008		
TIP125	60		5	65	1000	-	3	3.0	2.0	3.0	0.012			
TIP106	80		8	80	1000	20K	4	3.0	2.0	3.0	0.006			
TIP116	80		2	50	500	-	4	2.0	2.5	2.0	0.008			
TIP126	80		5	65	1000	-	3	3.0	2.0	3.0	0.012			
TIP107	100		8	80	1000	20K	4	3.0	2.0	3.0	0.006			
TIP117	100		2	50	500	-	4	2.0	2.5	2.0	0.008			
TIP127	100		5	65	1000	-	3	3.0	2.0	3.0	0.012			
TIP122F	NPN	100	5	65	1000	-	3	3.0	2.0	3.0	-	50	TO-220F 	
TIP127F	PNP	100	5	65	1000	-	3	3.0	2.0	3.0	-			
TIP140F	NPN	60	10	-	500	-	4	10.0	3.0	10.0	-	30	TO-3P 	
TIP141F		80	10	-	500	-	4	10.0	3.0	5.0	-			
TIP142		100	10	125	1000	-	4	5.0	2.0	5.0	0.010			
TIP142F	100	10	-	500	-	4	10.0	3.0	5.0	-				
TIP145F	PNP	60	10	-	500	-	4	10.0	3.0	10.0	-			
TIP146F		80	10	-	500	-	4	10.0	3.0	5.0	-			
TIP147		100	10	125	1000	-	4	5.0	2.0	5.0	0.010			
TIP147F		100	10	-	500	-	4	10.0	3.0	5.0	-			

N-Channel MOSFET Transistors

MOSFET

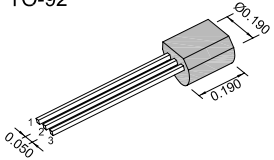
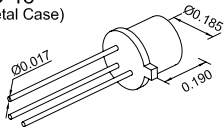
Part No.	Drain-Source Braekdown Voltage	On-State DS Current	Static DS Resistance	Part No.	Drain-Source Braekdown Voltage	On-State DS Current	Static DS Resistance	Package	Outline (Typ. in Inches)
	BV _{DSS} (V)	I _{D(ON)} (A)	R _{DS(ON)} (Ω)		BV _{DSS} (V)	I _{D(ON)} (A)	R _{DS(ON)} (Ω)	Bulk/Reel	
J105	25	0.033	3.00	J114	25	150.0	.001	1000/2000	
J106	25	0.017	6.00	J211	25	-	-		
J108	25	0.010	8.00	J300	25	-	-		
J109	25	0.010	12.00	J309	25	-	-		
J111	35	0.001	30.00	J310	25	-	-		
J112	35	0.001	50.00	J113	35	100.0	.001		
2N7000	60	0.300	2.0	2N7000K	60	0.300	2.1	50/Tube	
2N7000A	60	0.200	5.3						
IRF510	100	5.600	0.54	IRF644	250	14.0	0.28		
IRF610	200	3.300	1.50	IRF720	400	3.3	1.80		
IRF620	200	5.000	0.80	IRF730	400	5.5	1.00		
IRF624	250	3.8	1.10	IRF740	400	10.0	0.55		
IRF630	200	9.000	0.40	IRF820	500	2.5	3.00		
IRF633	150	8.000	0.50	IRF830	500	4.5	1.50		
IRF634	250	8.100	0.45	IRF843	450	7.0	1.10		
IRFZ14	60	10.000	0.20	SSP4N60	600	4.0	2.50		
IRFZ24	60	15.000	0.10						
IRFS634	250	5.5	0.450	IRFS830	500	3.1	1.50		
IRFS644	250	8.5	0.280	IRFS840	-	4.6	0.85		
IRFS730	400	3.5	1.000						
IRFU014A	60	8.2	0.14	IRFU120	100	8.4	0.27	70/Tube	
IRFP254	250	23	0.14	SSH7N90	900	7.0	1.80	30/Tube	

P-Channel MOSFET Transistors

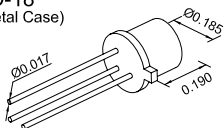
Part No.	Drain-Source Braekdown Voltage	On-State DS Current	Static DS Resistance	Part No.	Drain-Source Braekdown Voltage	On-State DS Current	Static DS Resistance	Package	Outline (Typ. in Inches)
	BV _{DSS} (V)	I _{D(ON)} (A)	R _{DS(ON)} (Ω)		BV _{DSS} (V)	I _{D(ON)} (A)	R _{DS(ON)} (Ω)	Bulk/Reel	
J174	30.00	1.00	85	J176	30.00	.25	250	1000/2000	
J175	30.00	.50	125	J270	30.00	-	-		
IRF9520	-100	-6.00	0.60	IRF9610	-200	-1.8	3.00	50/Tube	
IRF9540	-100	-17.00	0.20	IRF9640	-200	-11.00	0.50		
IRF9Z20	-50	-9.70	0.28						

N-Channel JFET Transistors

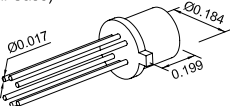
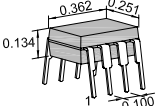
JFET

Part No.	BV _{GSS} Min.	V _P @ V _{DS} & I _D				G _{fs}		C _{iss} Max.	C _{rss} Max.	Package	Outline (Typ. in Inches)
		Min.	Max.	V _{DS}	I _D	Min.	Max.				
		(V)	(V)	(V)	(nA)	(mmho)	(mmho)				
2N5246	30	0.50	4.0	15	10	-	-	4.5	1.0	1000/ 2000	TO-92 
2N5247	30	1.50	8.0	15	10	-	-	4.5	1.0		
2N5458	25	1.00	7.0	15	10	1.5	5.5	7	3.0		
2N5459	25	2.00	8.0	15	10	2.0	6.0	7	3.0		
2N5484	25	0.30	3.0	15	10	-	-	5	1.0		
2N5485	25	0.50	4.0	15	10	-	-	5	1.0		
2N5950	30	2.50	6.0	15	100	-	-	6	2.0		
2N5952	30	1.30	4.5	15	100	-	-	6	2.0		
BF245A	30	0.50	8.0	15	10	3.0	6.5	4	1.1		
PN4118	40	1.00	3.0	10	1	80.0	250.0	3	1.5		
PN4303	30	-	6.0	20	10	2.0	-	6	3.0		
PN5434	25	1.00	4.0	5	3	-	-	30	15.0		
TIS73	30	4.00	10.0	15	4	-	-	18	8.0		
2N4338	50	0.3	1.0	15	100	0.6	1.8	7.0	3.0	250/-	TO-18 (Metal Case) 
2N4339	50	0.6	1.8	15	100	0.8	2.4	7.0	3.0		
2N4341	50	2.0	6.0	15	100	2.0	4.0	7.0	3.0		
2N4859	30	4.0	10.0	15	0.5	-	-	18.0	8.0		

P-Channel Metal Can JFET Transistors

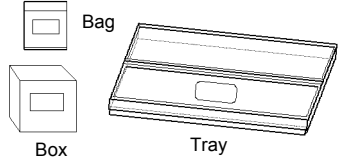
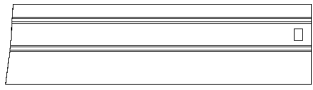
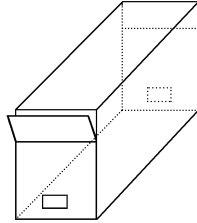
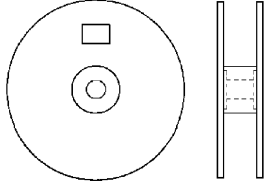
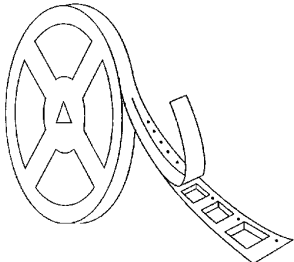
Part No.	BV _{GSS} Min.	V _P @ V _{DS} & I _D				R _{DS(on)} @ I _D		C _{iss} Max.	C _{rss} Max.	t _{on} Max.	t _{off} Max.	Package	Outline (Typ. in Inches)
		Min.	Max.	V _{DS}	I _D	Max.	I _D						
		(V)	(V)	(V)	(μA)	(Ω)	(mA)						
2N5018	30	-	10.0	-15	1.0	75	1	45	10	35	65	250	TO-18 (Metal Case) 

N-Channel Dual JFET Transistors

Part No.	V _P		G _{fs}		V _{GS1-2} V _{OS} Max.	Drift ΔV _{GS} Max.	IDSS Match	Gfs Match	Package	Outline (Typ. in Inches)
	Min.	Max.	Min.	Max.						
	(V)	(V)	(mmho)	(mmho)						
2N5045	0.5	4.5	1.5	6.00	5	67	-	-	250	TO-71 (Metal Case) 
2N5197	0.7	4.0	1.0	4.00	5	10	5	3		
2N5564	0.5	3.0	7.5	12.50	5	10	5	5		
2N5565	0.5	3.0	7.5	12.50	10	25	5	10		
J411	0.5	3.5	1	4	25	25	-	-	40/Tube	DIP-8 

Appendix

Ordering Information

Packing Code	Packing Type	Description	
-B	Bulk or Tray	Packed in a bag or box . Packed in a plastic tray .	
-BL		Packed in a bag or box . Packed in a plastic tray . (RoHS Compliant)	
-C	Tube	Packed in a plastic tube .	
-TU		Packed in a plastic tube . (RoHS Compliant)	
-A	Tape and Ammo	Parts are held together on one or both sides with 52 mm tape and packed in a box .	
-AR		Parts are held together on one or both sides with 52 mm tape and packed in a box . (RoHS Compliant)	
-TR3X	Tape and Reel	Parts are held by tape and packed in a 13" reel . Applicable for axial parts. (RoHS Compliant)	
-TR7X	Tape and Reel	Parts are held by tape and packed in a 7" reel . Typically used for surface mount parts. (RoHS Compliant)	
-TR3X		Parts are held by tape and packed in a 13" reel . Typically used for surface mount parts. (RoHS Compliant)	

Appendix

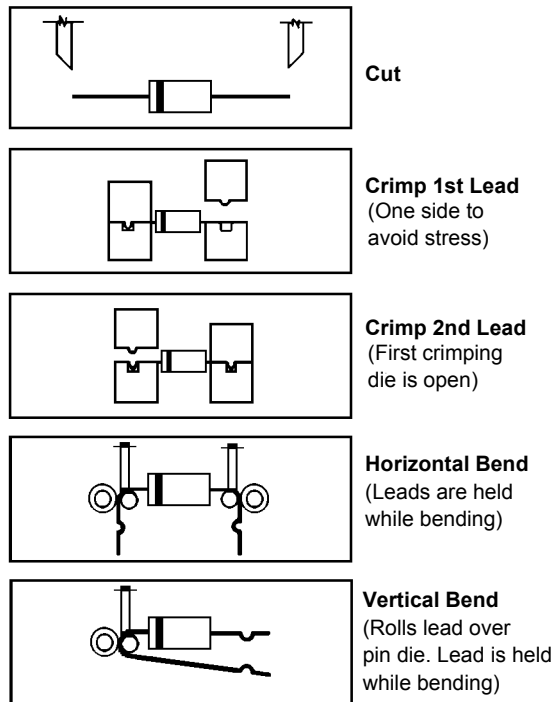
Cut & Form System Information

We perform cut and forming on axial leaded components as an added value service to our customers. We use a GPD (General Production Devices) Model CF-8 Precision Axial Lead Former for this added value service.

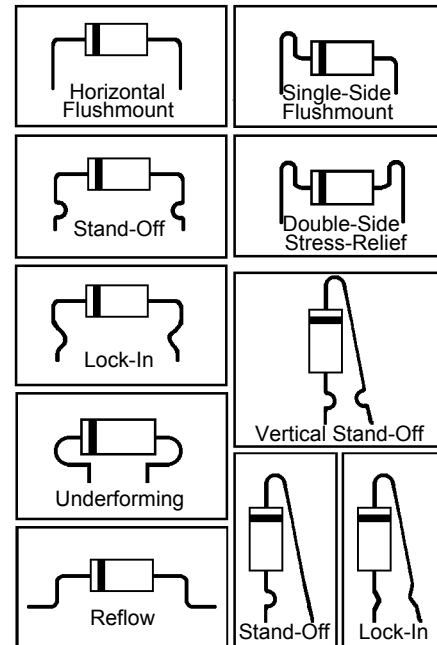
GPD CF-8 was designed to meet exacting military standards for forming axial leaded components. Its patented transport wheel system holds the component by the body as it carries it through the crimping and forming stations. The CF-8 forming process eliminates component body stress by crimping the lead on one side of the component body and then crimping the lead on the other side. After the leads are crimped, the component advances to the bending station where the leads are held and formed by a roller mechanism which produces nick-free leads.

It has been proven by electrical testing and verification of components before and after cut & forming operations that the parts are absolutely not affected by this process. This is of special benefit to axial leaded Schottky and Zener diodes and Transient Voltage Suppressors.

CF-8 Operation Sequence



Some Popular Forms Produced On the CF-8



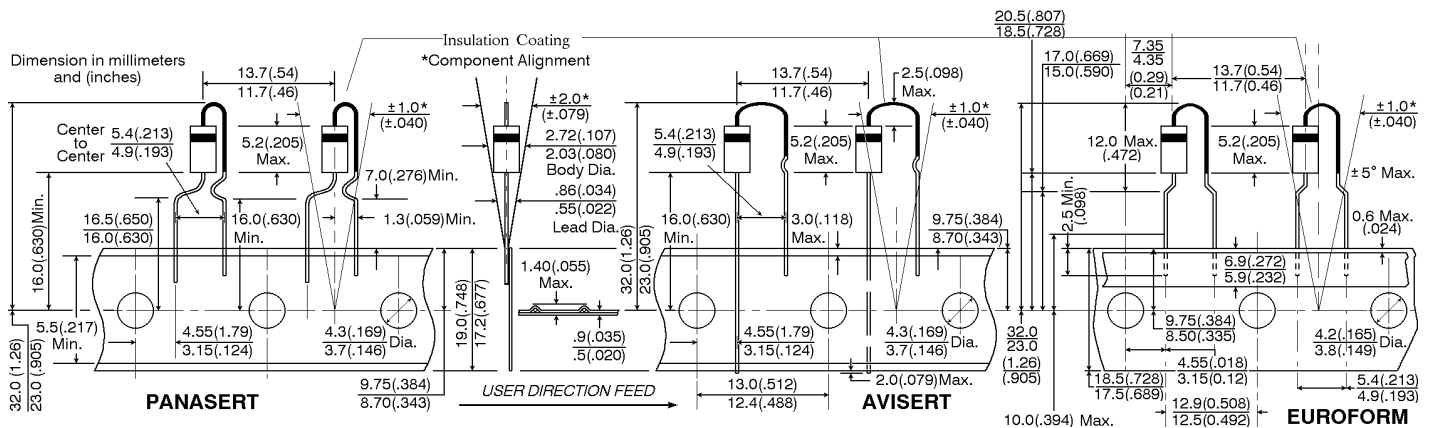
Preformed Lead Devices

Case Type	Performed Type	A		B		C		Outline
		Range	Tolerance	Range	Tolerance	Range	Tolerance	
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
DO-41	M	10 - 50	±0.5	3 - 25	±0.5	-	-	
	E	10 - 50	±1.0	6 - 25	±0.1	2	±0.5	
	V	8 - 12	±0.5	17 - 19	±0.5	5 (Min)	±0.5	
DO-15	M	13 - 50	±0.5	4 - 25	±0.5	-	-	
	E	13 - 50	±0.5	6 - 25	±0.5	2	±0.5	
	V	8 - 12	±0.5	17 - 19	±0.5	5 (Min)	±0.5	
DO-201AD	M	14 - 50	±0.3	5 - 25	±0.5	-	-	
	E	14 - 50	±0.5	7 - 25	±0.5	2	±0.5	
	V	8 - 12	±0.5	17 - 19	±0.5	5 (Min)	±0.5	
T6	M	14 - 48	±0.5	6 - 25	±0.5	-	-	
	E	14 - 48	±0.5	8 - 25	±0.5	2	±0.5	
	V	9 - 12	±0.5	17 - 19	±0.5	5 (Min)	±0.5	

Panaset, Avisert, and Euroform Devices

<p>P/N - ABC</p> <p>Available for A-405 package DO-35 glass package DO-41 plastic package</p>	<p>A = E: EUROFORM N: PANASERT V: AVISERT</p>	<p>B = 0: NON INSULATION COATING, - LEAD FIRST OUT.</p> <p>1: INSULATION COATING, - LEAD FIRST OUT.</p> <p>2: NON INSULATION COATING, - BODY FIRST OUT.</p> <p>3: INSULATION COATING, - BODY FIRST OUT.</p>	<p>C = 1: FOR CATHODE DOWN, - IN BULK.</p> <p>2: FOR CATHODE UP, - IN BULK.</p> <p>3: FOR CATHODE DOWN, - IN REEL.</p> <p>4: FOR CATHODE UP, - IN REEL.</p>
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Packing Information for Formed Devices



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