



Part Number	Type	PD (W) Power Dissipation	VCBO (V) Collector-Base Voltage	VCEO (V) Collector-Emitter Voltage	IC (A) Collector Current	hFE		VCE(sat)		f T (MHz) Transition Frequency	Package
						Min/Max	IC(mA)/VCE(V)	(V)	IC(mA)/IB(mA)		
2SA1201	PNP	0.5	-120	-120	-0.8	80 / 240	-100 / -5	-1	-500 / -50	120+	SOT-89
2SA1203①	PNP	0.5	-30	-30	-1.5	100 / 320	-500 / -2	-2	-1500 / -30	120+	SOT-89
2SA1204①	PNP	0.5	-35	-30	-0.8	100 / 320	-100 / -1	-0.7	-500 / -20	120+	SOT-89
2SA1661①	PNP	0.5	-120	-120	-0.8	80 / 240	-100 / -5	-1	-500 / -50	120+	SOT-89
2SA1662①	PNP	0.5	-80	-80	-0.4	70 / 240	-50 / -2	-0.4	-200 / -20	120+	SOT-89
2SA1664	PNP	0.5	-35	-30	-0.8	100 / 320	-100 / -1	-0.7	-500 / -20	120	SOT-89
2SA1740①	PNP	0.5	-400	-400	-0.2	60 / 200	-50 / -10	-0.8	-50 / -50	70+	SOT-89
2SA1797	PNP	0.5	-50	-50	-2	82 / 270	-500 / -2	-0.35	-1000 / -50	200+	SOT-89
2SA554	PNP	0.5	-100	-100	-2	120 / 270	-100 / -3	-0.2	-500 / -25	30+	SOT-89
2SA94-C	PNP	1	-400	-400	-0.2	80 / 300	-10 / -10	-0.2	-10 / -1	50+	SOT-223
2SB1073①	PNP	0.5	-30	-20	-4	120 / 315	-2000 / -2	-1	-3000 / -100	120+	SOT-89
2SB1119	PNP	0.5	-25	-25	-1	100 / 560	-50 / -2	-0.7	-500 / -50	180	SOT-89
2SB1132	PNP	2	-40	-32	-1	82 / 390	-100 / -3	-0.5	-500 / -50	150	SOT-89
2SB1151	PNP	1.25	-60	-60	-5	160 / 320	-2000 / -1	-0.3	-2000 / -200	-	TO-126
2SB1184	PNP	1	-60	-50	-3	82 / 390	-500 / -3	-1	-2000 / -200	70	TO-252(D-Pack)
2SB1188	PNP	0.5	-40	-32	-2	120 / 390	-500 / -3	-0.8	-2000 / -200	100	SOT-89
2SB1189①	PNP	0.5	-80	-80	-0.7	82 / 390	-100 / -3	-0.4	-500 / -50	100+	SOT-89
2SB1260	PNP	0.5	-80	-80	-1	82 / 390	-100 / -3	-0.4	-500 / -50	100	SOT-89
2SB1274	PNP	2	-60	-60	-3	100 / 200	-500 / -5	-1	-2000 / -200	100	TO-220J
2SB1308①	PNP	0.5	-30	-20	-3	82 / 390	-500 / -2	-0.45	-1500 / -150	50	SOT-89

Part Number	Type	PD (W)	VCBO (V)	VCEO (V)	IC (A)	hFE		VCE(sat)		f T (MHz)	Package
						Min/Max	IC(mA)/VCE(V)	(V)	IC(mA)/IB(mA)		
2SB1386	PNP	0.5	-30	-20	-5	82 / 390	-500 / -2	-1	-4000 / -100	120	SOT-89
2SB1412	PNP	1	-30	-20	-5	82 / 390	-500 / -2	-1	-4000 / -100	120	TO-252(D-Pack)
2SB1424	PNP	0.5	-20	-20	-3	120 / 390	-100 / -2	-0.5	-200 / -100	240	SOT-89
2SB1440	PNP	0.5	-50	-50	-2	120 / 340	-200 / -2	-0.3	-1000 / -50	80+	SOT-89
2SB1658	PNP	1	-30	-30	-5	150 / 600	-1000 / -2	-0.15	-1000 / -50	95	TO-126
2SB766	PNP	0.5	-30	-25	-1	85 / 340	-500 / -10	-0.4	-500 / -50	200	SOT-89
2SB766A	PNP	0.5	-60	-50	-1	85 / 340	-500 / -10	-0.4	-500 / -50	200+	SOT-89
2SB776①	PNP	1	-50	-50	-3	100 / 400	-1000 / -2	-0.5	-2000 / -200	80+	TO-126
2SB834	PNP	1.5	-60	-60	-3	60 / 200	-500 / -5	-1	-3000 / -300	5	ITO-220J
2SBA42	NPN	0.5	310	305	0.2	100 / 300	10 / 10	0.2	20 / 2	50	SOT-89
2SBA92	PNP	0.5	-310	-305	-0.2	100 / 300	-10 / -10	-0.2	-20 / -2	50	SOT-89
2SC1162	NPN	0.75	35	35	2.5	60 / 320	500 / 2	1	2000 / 200	180	TO-126
2SC2314①	NPN	0.75	75	45	1	60 / 320	500 / 5	0.6	500 / 50	180	TO-126
2SC2383	NPN	1	160	160	1	100 / 320	200 / 5	1	500 / 50	20+	SOT-89
2SC2688	NPN	1.25	300	300	0.2	100 / 250	10 / 10	0.5	50 / 5	50	TO-126
2SC2873	NPN	0.5	50	50	2	70 / 240	500 / 2	0.5	1000 / 50	120	SOT-89
2SC2881①	NPN	0.5	120	120	0.8	80 / 240	100 / 5	1	500 / 50	120+	SOT-89
2SC2883	NPN	0.5	30	30	1.5	100 / 320	500 / 2	2	1500 / 30	120+	SOT-89
2SC2884	NPN	0.5	35	30	0.8	100 / 320	100 / 1	0.5	500 / 20	120	SOT-89
2SC3303	NPN	1	100	80	5	70 / 240	1000 / 1	0.4	3000 / 150	20	TO-251

Part Number	Type	PD (W)	VCBO (V)	VCEO (V)	IC (A)	hFE		VCE(sat)		f T (MHz)	Package
						Min/Max	IC(mA)/VCE(V)	(V)	IC(mA)/IB(mA)		
2SC3650	NPN	0.5	30	25	1.2	800 / 3200	500 / 5	0.5	500 / 10	200	SOT-89
2SC4115	NPN	0.5	40	20	3	120 / 560	100 / 2	0.5	2000 / 100	290+	SOT-89
2SC4373	NPN	0.5	120	120	0.8	80 / 240	100 / 5	1	500 / 50	120+	SOT-89
2SC4374①	NPN	0.5	80	80	0.4	70 / 240	50 / 2	0.4	200 / 20	100+	SOT-89
2SC4375	NPN	0.5	30	30	1.5	100 / 320	500 / 2	2	1500 / 30	120+	SOT-89
2SC4548	NPN	0.5	400	400	0.2	60 / 200	50 / 10	0.6	50 / 50	70+	SOT-89
2SC4672	NPN	0.5	60	50	2	82 / 390	500 / 2	0.35	1000 / 50	210	SOT-89

2SD1005	NPN	0.5	100	80	1	90 / 400	100 / 2	0.5	500 / 50	160+	SOT-89
2SD1119①	NPN	0.5	40	25	3	230 / 600	500 / 2	1	3000 / 100	150+	SOT-89
2SD1271A	NPN	2	150	100	7	60 / 260	3000 / 2	0.5	5000 / 250	30	ITO-220J
2SD1664	NPN	0.5	40	32	1	82 / 390	100 / 3	0.4	500 / 50	150	SOT-89
2SD1760	NPN	1.5	60	50	3	82 / 390	500 / 3	1	200 / 2	90	TO-252(D-Pack)
2SD1766	NPN	0.5	40	32	2	82 / 390	500 / 3	0.8	2000 / 200	100	SOT-89
2SD1767	NPN	0.5	80	80	0.7	82 / 390	100 / 3	0.4	500 / 50	120+	SOT-89
2SD1815	NPN	1	120	100	3	70 / 280	500 / 5	0.4	1500 / 150	180	TO-251
2SD1816	NPN	1	120	100	4	140 / 280	500 / 5	0.4	2000 / 200	180	TO-251
2SD1898	NPN	0.5	100	80	1	82 / 390	500 / 3	0.4	500 / 20	100	SOT-89
2SD2061	NPN	2	80	60	3	100 / 320	500 / 5	1	2000 / 200	8	TO-220J
2SD2118	NPN	1	50	20	5	120 / 390	500 / 2	1	4000 / 100	150	TO-252(D-Pack)
2SD2136	NPN	1.25	60	60	3	40 / 250	1000 / 4	1.2	3000 / 375	30	TO-126

Part Number	Type	P _D (W)	V _{CBO} (V)	V _{CEO} (V)	I _C (A)	hFE		V _{CE(sat)}		f _T (MHz)	Package
						Min/Max	I _C (mA)/V _{CE} (V)	(V)	I _C (mA)/I _B (mA)		
2SD2150	NPN	0.5	40	20	3	180 / 560	100 / 2	0.5	2000 / 100	290	SOT-89
2SD2153	NPN	0.5	30	25	2	560 / 1800	500 / 6	0.5	1000 / 20	110	SOT-89
2SD2396	NPN	2	80	60	3	600 / 1200	500 / 4	0.8	2000 / 50	40	ITO-220J
2SD2413①	NPN	0.5	400	400	0.1	30 / -	30 / 5	1.5	50 / 5	40+	SOT-89
2SD2583①	NPN	1	30	30	5	150 / 600	1000 / 2	0.5	4000 / 200	120+	TO-126
2SD668①	NPN	1	180	120	0.05	60 / 320	10 / 5	2	30 / 3	140+	TO-126
2SD669	NPN	1	180	120	1.5	60 / 320	150 / 5	1	500 / 50	140+	TO-126C
2SD669AT	NPN	1	180	160	1.5	60 / 200	150 / 5	1	500 / 50	140	TO-126
2SD874A	NPN	0.5	60	50	1	85 / 340	500 / 10	0.4	500 / 50	200+	SOT-89
2SD886	NPN	1	50	50	3	100 / 400	1000 / 2	0.5	2000 / 200	80+	TO-126
2SD965A	NPN	0.75	40	30	5	230 / 800	500 / 2	1	3000 / 100	150	SOT-89
2SD999①	NPN	0.5	30	25	1	90 / 400	100 / 1	0.4	1000 / 100	130+	SOT-89
3DD13007	NPN	2	700	400	8	20 / 30	2000 / 5	3	8000 / 2000	4	TO-220J
B772	PNP	1.25	-40	-30	-3	60 / 400	-1000 / -2	-0.5	-2000 / -200	80	TO-126
BCP1213	PNP	1	-50	-50	-2	70 / 240	-500 / -2	-0.5	-1000 / -50	120	SOT-89
BCP1300①	PNP	1	-20	-10	-2	140 / 1000	-500 / -1	-0.5	-2000 / -50	140+	SOT-89
BCP1616A	NPN	0.5	120	60	1	135 / 600	100 / 2	0.3	1000 / 50	100+	SOT-89
BCP2098	NPN	0.5	50	20	5	120 / 390	500 / 2	1	4000 / 100	150	SOT-89
BCP3019①	NPN	1	140	80	1	100 / 300	150 / 10	0.2	150 / 15	100+	SOT-89
BCP3669	NPN	1	80	80	2	180 / 240	500 / 2	0.5	1000 / 50	100	SOT-89

Part Number	Type	P _D (W)	V _{CBO} (V)	V _{CEO} (V)	I _C (A)	hFE		V _{CE(sat)}		f _T (MHz)	Package
						Min/Max	I _C (mA)/V _{CE} (V)	(V)	I _C (mA)/I _B (mA)		
BCP3904	NPN	0.5	60	40	0.2	100 / 300	10 / 1	0.2	10 / 1	300	SOT-89
BCP3906	PNP	0.5	-40	-40	-0.2	100 / 300	-10 / -1	-0.25	-10 / -1	250	SOT-89
BCP4672	NPN	2	60	50	2	120 / 400	500 / 2	0.35	1000 / 50	210	SOT-89
BCP51-C	PNP	1.5	-45	-45	-1	100 / 250	-150 / -2	-0.5	-500 / -50	100+	SOT-223
BCP5401	PNP	0.5	-160	-150	-0.5	60 / 300	-10 / -5	-0.2	-10 / -1	100+	SOT-89
BCP55-C	NPN	1.5	60	60	1	100 / 250	150 / 2	0.5	500 / 50	100+	SOT-223
BCP5551	NPN	0.5	180	160	0.6	80 / 300	10 / 5	0.15	10 / 1	100	SOT-89
BCP56-C	NPN	1.5	100	80	1	100 / 250	150 / 2	0.5	500 / 50	100+	SOT-223
BCP69-C	PNP	1	-32	-20	-1	85 / 375	-500 / -1	-0.5	-1000 / -100	40	SOT-223
BCP772	PNP	0.5	-40	-30	-3	100 / 400	-1000 / -2	-0.5	-2000 / -200	50+	SOT-89
BCP8050	NPN	0.5	40	25	1.5	120 / 300	100 / 1	0.5	800 / 80	100	SOT-89
BCP868①	NPN	0.5	32	20	1	85 / 375	500 / 1	0.5	1000 / 100	40	SOT-89
BCP869	PNP	0.5	-32	-20	-1	100 / 375	-500 / -1	-0.5	-1000 / -100	40+	SOT-89
BCP882	NPN	1.2	40	30	3	100 / 500	1000 / 2	0.5	2000 / 200	90	SOT-89
BCP882H	NPN	0.5	70	70	3	160 / 320	1000 / 2	0.5	2000 / 200	50	SOT-89
BCP882J	NPN	0.5	40	30	3	100 / 400	1000 / 2	0.5	2000 / 200	50	SOT-89
BCPA14	NPN	1	30	30	0.5	20000 / -	100 / 5	1.5	100 / 0.1	125+	SOT-89
BCPA1664①	PNP	0.5	-40	-32	-1	82 / 390	-100 / -3	-0.4	-500 / -50	150+	SOT-89
BCPA1666	PNP	0.5	-50	-50	-2	70 / 240	-500 / -2	-0.5	-1000 / -50	120	SOT-89
BCPA1668①	PNP	0.5	-80	-60	-1	60 / 200	-50 / -2	-0.7	-500 / -50	150+	SOT-89

Part Number	Type	P _D (W)	V _{CBO} (V)	V _{CEO} (V)	I _C (A)	hFE		V _{CE(sat)}		f _T (MHz)	Package
						Min/Max	I _C (mA)/V _{CE} (V)	(V)	I _C (mA)/I _B (mA)		
BCPA27①	NPN	1	60	60	0.5	10000 / -	100 / 5	1.5	100 / 0.1	-	SOT-89
BCPA44	NPN	0.5	400	400	0.2	50 / 200	10 / 10	0.75	50 / 5	-	SOT-89
BCPA64①	PNP	1	-30	-30	-0.5	20000 / -	-100 / -5	-1.5	-100 / -0.1	125	SOT-89
BCPA94	PNP	1	-400	-400	-0.5	50 / 300	-10 / -10	-0.35	-1 / -0.1	50	SOT-89
BCPC4373①	NPN	0.5	120	120	0.8	80 / 240	100 / 5	1	500 / 50	120+	SOT-89

BCPC4374①	NPN	0.5	80	80	0.4	70 / 240	50 / 2	0.4	200 / 20	100+	SOT-89
BCPR33①	PNP	0.5	-90	-80	-1	100 / 300	-100 / -5	-0.5	-500 / -50	100	SOT-89
BCPR43①	NPN	0.5	90	80	1	100 / 300	100 / 5	0.5	500 / 50	100	SOT-89
BCX51	PNP	0.5	-45	-45	-1	63 / 250	-150 / -2	-0.5	-500 / -50	50	SOT-89
BCX52	PNP	0.5	-60	-60	-1	63 / 250	-150 / -2	-0.5	-500 / -50	50	SOT-89
BCX53	PNP	0.5	-100	-80	-1	100 / 250	-150 / -2	-0.5	-500 / -50	50	SOT-89
BCX54	NPN	0.5	45	45	1	63 / 250	150 / 2	0.5	500 / 50	130+	SOT-89
BCX55	NPN	0.5	60	60	1	63 / 250	150 / 2	0.5	500 / 50	130	SOT-89
BCX56	NPN	0.5	100	80	1	63 / 250	150 / 2	0.5	500 / 50	130	SOT-89
BCX69①	PNP	0.8	-25	-20	-1	85 / 375	-500 / -1	-0.5	-1000 / -100	100+	SOT-89
BD034	PNP	1.25	-110	-95	-2.5	100 / 400	-100 / -2	-0.5	-2000 / -200	3	TO-126
BD13003B	NPN	1.5	700	400	1.5	20 / 30	500 / 5	0.6	1000 / 250	5	TO-126
BD135	NPN	1.25	45	45	1.5	40 / 250	150 / 2	0.5	500 / 50	190+	TO-126
BD136	PNP	1.25	-45	-45	-1.5	40 / 250	-150 / -2	-0.5	-500 / -50	160	TO-126
BD137	NPN	1.25	60	60	1.5	40 / 250	150 / 2	0.5	500 / 50	190+	TO-126

Part Number	Type	P _D (W)	V _{CB0} (V)	V _{CE0} (V)	I _C (A)	h _{FE}		V _{CE(sat)}		f _T (MHz)	Package
						Min/Max	I _C (mA)/V _{CE} (V)	(V)	I _C (mA)/I _B (mA)		
BD138	PNP	1.25	-60	-60	-1.5	40 / 250	-150 / -2	-0.5	-500 / -50	160	TO-126
BD139	NPN	1.25	80	80	1.5	40 / 160	150 / 2	0.5	500 / 50	190+	TO-126
BD140	PNP	1.25	-80	-80	-1.5	40 / 250	-150 / -2	-0.5	-500 / -50	160	TO-126
BD233①	NPN	1.25	45	45	2	40 / -	150 / 2	0.6	1000 / 100	3	TO-126
BD234①	PNP	1.25	-45	-45	-2.5	40 / -	-150 / -2	-1	-1000 / -100	3	TO-126
BD235①	NPN	1.25	60	60	2	40 / -	150 / 2	0.6	1000 / 100	3	TO-126
BD236①	PNP	1.25	-60	-60	-2	40 / -	-150 / -2	-1	-1000 / -100	3	TO-126
BD237①	NPN	1.25	100	80	2	40 / -	150 / 2	0.6	1000 / 100	3	TO-126
BD238①	PNP	1.25	-100	-80	-2	40 / -	-150 / -2	-0.6	-1000 / -100	3	TO-126
BD434①	PNP	1.25	-22	-22	-4	85 / -	-500 / -1	-0.5	-2000 / -200	3	TO-126
BD435①	NPN	1.25	32	32	4	85 / -	500 / 1	0.5	2000 / 200	3	TO-126
BD436	PNP	1.25	-32	-32	-4	85 / 375	-500 / -1	-0.5	-2000 / -200	3	TO-126
BD437①	NPN	1.25	45	45	4	85 / -	500 / 1	0.6	2000 / 200	3	TO-126
BD438	PNP	1.25	-45	-45	-4	85 / -	-500 / -1	-0.7	-3000 / -300	3	TO-126
BD439	NPN	1.25	60	60	4	40 / -	500 / 1	0.8	3000 / 300	3	TO-126
BD440	PNP	1.25	-60	-60	-4	40 / -	-500 / -1	-0.8	-3000 / -300	3	TO-126
BD441	NPN	1.25	80	80	4	40 / 475	500 / 1	0.8	3000 / 300	3	TO-126
BD442	PNP	1.25	-80	-80	-4	40 / 475	-500 / -1	-0.8	-3000 / -300	3	TO-126
CZD1181①	PNP	10	-80	-80	-1	82 / 390	-100 / -3	-0.4	-500 / -50	100	TO-252(D-Pack)
CZD1182	PNP	1.5	-40	-32	-2	120 / 390	-500 / -3	-0.8	-2000 / -200	100	TO-252(D-Pack)

Part Number	Type	P _D (W)	V _{CB0} (V)	V _{CE0} (V)	I _C (A)	h _{FE}		V _{CE(sat)}		f _T (MHz)	Package
						Min/Max	I _C (mA)/V _{CE} (V)	(V)	I _C (mA)/I _B (mA)		
CZD1184-C	PNP	10	-80	-60	-3	100 / 300	-500 / -2	-0.6	-3000 / -300	140	TO-252(D-Pack)
CZD13003	NPN	1	700	400	1.5	20 / 30	500 / 5	0.6	1000 / 250	5	TO-252(D-Pack)
CZD1386	PNP	20	-30	-20	-5	82 / 390	-500 / -2	-1	-4000 / -100	120	TO-252(D-Pack)
CZD1952	PNP	10	-100	-60	-5	120 / 270	-1000 / -2	-0.5	-4000 / -200	80	TO-252(D-Pack)
CZD2983J	NPN	1	160	160	1.5	70 / 240	100 / 5	1.5	500 / 50	100	TO-252(D-Pack)
CZD3303	NPN	1	100	80	5	70 / 240	1000 / 1	0.4	3000 / 150	20	TO-252(D-Pack)
CZD41C	NPN	1.25	100	100	6	15 / 75	3000 / 4	1.5	6000 / 600	3	TO-252(D-Pack)
CZD4672①	NPN	10	60	50	2	120 / 400	500 / 2	0.35	1000 / 50	210+	TO-252(D-Pack)
CZD772	PNP	10	-40	-30	-3	100 / 500	-1000 / -2	-0.5	-2000 / -200	80	TO-252(D-Pack)
CZD772M	PNP	1.25	-40	-30	-3	160 / 320	-1000 / -2	-0.5	-2000 / -200	80	TO-252(D-Pack)
CZD8050①	NPN	1.25	40	25	1.5	120 / 500	100 / 1	0.5	800 / 80	100	TO-252(D-Pack)
CZD8550①	PNP	1.25	-40	-25	-1.5	120 / 500	-100 / -1	-0.5	-800 / -80	100+	TO-252(D-Pack)
CZD882①	NPN	10	40	30	3	100 / 500	1000 / 2	0.5	2000 / 200	90+	TO-252(D-Pack)
CZD882M	NPN	1.25	40	30	3	160 / 320	1000 / 2	0.5	2000 / 200	90	TO-252(D-Pack)
CZT31C-C	NPN	1	100	100	3	10 / 100	3000 / 4	1.2	3000 / 375	3+	SOT-223
CZT32C	PNP	1	-100	-100	-3	10 / 100	-3000 / -4	-1.2	-3000 / -375	3+	SOT-223
CZT5401	PNP	1.5	-160	-150	-0.6	80 / 400	-10 / -5	-0.2	-10 / -1	100+	SOT-223
CZT5551-C	NPN	1	180	160	0.6	80 / 250	10 / 5	0.2	50 / 5	100	SOT-223
D882	NPN	1.25	40	30	3	60 / 400	1000 / 2	0.5	2000 / 200	90	TO-126
KTC2026	NPN	2	60	60	3	100 / 200	500 / 5	1	2000 / 200	30	TO-220J

Part Number	Type	P _D (W)	V _{CB0} (V)	V _{CE0} (V)	I _C (A)	h _{FE}		V _{CE(sat)}		f _T (MHz)	Package
						Min/Max	I _C (mA)/V _{CE} (V)	(V)	I _C (mA)/I _B (mA)		
KTD1898	NPN	0.5	100	80	1	70 / 400	500 / 3	0.4	500 / 20	100+	SOT-89
KTD2058	NPN	2	60	60	3	100 / 200	500 / 5	1	2000 / 200	3	TO-220J

MJD31C	NPN	1.25	100	100	3	10 / 50	3000 / 4	1.2	3000 / 375	3+	TO-252(D-Pack)
MJD32C	PNP	1.25	-100	-100	-3	15 / 75	-3000 / -4	-1.2	-3000 / -375	3+	TO-252(D-Pack)
MJE170	PNP	1.5	-60	-40	-0.003	50 / 250	-100 / -1	-0.3	-500 / -50	50	TO-126
MJE171	PNP	1.5	-80	-60	-0.003	50 / 250	-100 / -1	-0.3	-500 / -50	50	TO-126
MJE172	PNP	1.5	-100	-80	-0.003	50 / 250	-100 / -1	-0.3	-500 / -50	50	TO-126
MMBT2222Q	NPN	1.2	75	40	0.6	35 / 100	150 / 10	0.3	150 / 15	300	SOT-89
MMBT2907Q	PNP	1.2	-60	-60	-0.6	100 / 300	-150 / -10	-0.4	-150 / -15	200+	SOT-89
PZT157	PNP	2	-80	-60	-3	100 / 300	-500 / -2	-0.6	-3000 / -300	140	SOT-223
PZT195A①	PNP	2	-40	-40	-1	300 / 900	-100 / -5	-0.5	-1000 / -100	150	SOT-223
PZT2222A-C	NPN	1	75	40	0.6	100 / 300	150 / 10	1	500 / 50	300+	SOT-223
PZT2907A-C	PNP	1	-60	-60	-0.6	100 / 300	-150 / -10	-1.6	-500 / -50	200	SOT-223
PZT32C①	PNP	1.5	-100	-100	-3	10 / 50	-3000 / -4	-1.2	-3000 / -375	3	SOT-223
PZT359	PNP	3	-140	-100	-5	100 / 300	-1000 / -1	-0.42	-4000 / -400	125	SOT-223
PZT3904-C	NPN	1	60	40	0.2	100 / 300	10 / 1	0.2	10 / 1	300+	SOT-223
PZT3906-C	PNP	1	-40	-40	-0.2	100 / 300	-10 / -1	-0.25	-10 / -1	250+	SOT-223
PZT559	PNP	3	-180	-140	-4	100 / 300	-1000 / -5	-0.37	-3000 / -300	110	SOT-223
PZT559A-C	PNP	3	-180	-140	-4	100 / 300	-1000 / -5	-40	-100 / -5	120	SOT-223
PZT5712①	NPN	1.5	100	50	3	400 / 1000	300 / 2	0.14	1000 / 20	-	SOT-223
Part Number	Type	PD (W)	VCBO (V)	VCEO (V)	IC (A)	hFE		VCE(sat)		f T(MHz)	Package
						Min/Max	IC(mA)/VCE(V)	(V)	IC(mA)/IB(mA)		
PZT649A①	PNP	1.5	-180	-160	-1.5	60 / 200	-150 / -5	-1	-600 / -50	140	SOT-223
PZT882J-C	NPN	1.25	40	30	3	100 / 400	1000 / 2	0.5	2000 / 200	50	SOT-223
PZT9401A①	NPN	2.5	80	30	5	300 / 1200	1000 / 2	0.33	5000 / 50	180	SOT-223
PZT9411A①	PNP	2.5	-30	-25	-4	250 / 800	-500 / -2	-0.35	-4000 / -140	135	SOT-223
PZTA06①	NPN	1	80	80	0.5	100 / -	10 / 1	0.25	100 / 10	100	SOT-223
PZTA42-C	NPN	1	300	300	0.2	25 / -	1 / 10	0.5	20 / 2	50+	SOT-223
PZTA44-C	NPN	1	400	400	0.2	50 / 200	10 / 10	0.5	10 / 1	20+	SOT-223
PZTA56①	PNP	1	-80	-80	-0.5	100 / -	-10 / -1	-0.25	-100 / -10	50	SOT-223
PZTA64①	PNP	1	-30	-30	-0.5	20000 / -	-100 / -5	-1.5	-100 / -0.1	125	SOT-223
SZD1060①	NPN	20	60	50	5	70 / 280	1000 / 2	0.4	3000 / 300	30	TO-251
SZD1181①	PNP	10	-80	-80	-1	82 / 390	-100 / -3	-0.4	-500 / -50	100	TO-251
SZD1182①	PNP	10	-40	-32	-2	82 / 390	-500 / -3	-0.8	-2000 / -200	100	TO-251
SZD1225①	PNP	15	-160	-160	-15	70 / 240	-100 / -5	-1.5	-500 / -50	100	TO-251
SZD1386①	PNP	20	-30	-20	-5	82 / 580	-500 / -2	-1	-4000 / -100	120	TO-251
SZD1733①	NPN	10	100	80	1	82 / 390	500 / 3	0.4	500 / 20	100	TO-251
SZD2983①	NPN	15	160	160	1.5	70 / 240	100 / 5	1.5	500 / 50	100	TO-251
SZD31C①	NPN	15	100	100	3	10 / 50	3000 / 4	1.2	3000 / 375	3	TO-251
SZD32C①	PNP	15	-100	-100	-3	10 / 50	-3000 / -4	-1.2	-3000 / -375	3	TO-251
SZD41C①	NPN	20	100	100	6	15 / 75	3000 / 4	1.5	6000 / 600	3	TO-251
SZD4672①	NPN	10	60	50	2	120 / 400	500 / 2	0.35	1000 / 50	210+	TO-251
Part Number	Type	PD (W)	VCBO (V)	VCEO (V)	IC (A)	hFE		VCE(sat)		f T(MHz)	Package
						Min/Max	IC(mA)/VCE(V)	(V)	IC(mA)/IB(mA)		
SZD5103①	NPN	10	100	60	6	120 / 270	1000 / 2	0.5	4000 / 200	210	TO-251
SZD5564①	NPN	3.5	15	15	6	200 / 560	500 / 2	0.3	3000 / 60	250	TO-251
SZD5706①	NPN	15	80	50	5	200 / 560	500 / 2	0.24	2000 / 100	400	TO-251
SZD772	PNP	10	-40	-30	-3	100 / 500	-1000 / -2	-0.5	-2000 / -200	80	TO-251
SZD8050①	NPN	1.25	40	25	1.5	120 / 500	100 / 1	0.5	800 / 80	100+	TO-251
SZD8550①	PNP	1.25	-40	-25	-1.5	120 / 500	-100 / -1	-0.5	-800 / -80	100	TO-251
SZD882①	NPN	10	40	30	3	100 / 500	1000 / 2	0.5	2000 / 200	90	TO-251
SZD965①	NPN	2	40	20	5	230 / 800	500 / 2	1	3000 / 100	150	TO-251
TIP31C	NPN	2	100	100	3	15 / 75	3000 / 4	1.2	3000 / 375	3	TO-220J
TIP32	PNP	2	-40	-40	-3	15 / 75	-3000 / -4	-1.2	-3000 / -375	3	TO-220J
TIP32C	PNP	2	-100	-100	-3	15 / 75	-3000 / -4	-1.2	-3000 / -375	3	TO-220J
TIP41	NPN	2	40	40	6	15 / 75	3000 / 4	1.5	6000 / 600	3	TO-220J
TIP41C	NPN	2	100	100	6	15 / 75	3000 / 4	1.5	6000 / 600	3	TO-220J