

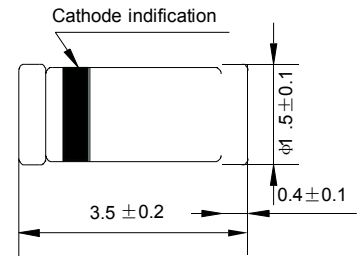
FEATURES

- Low cost
- Small size
- Glass sealed

MECHANICAL DATA

- Case: LL34 glass case
- Terminals: solderable per MIL - STD - 202, method 208
- Polarity: color band denotes cathode
- Mounting position: any
- Weight: 0.05 grams

**BZV55B2V0...BZV55B200**



LL-34(SOD-80) Dimensions in millimeters

**Absolute Maximum Ratings (T<sub>a</sub> = 25 °C)**

Parameter	Symbol	Value	Unit
Power Dissipation	P <sub>tot</sub>	500 <sup>1)</sup>	mW
Junction Temperature	T <sub>j</sub>	175	°C
Storage Temperature Range	T <sub>stg</sub>	- 55 to + 175	°C
<sup>1)</sup> Valid provided that electrodes are kept at ambient temperature			

**Characteristics at T<sub>a</sub> = 25 °C**

Parameter	Symbol	Max.	Unit
Thermal Resistance Junction to Ambient Air	R <sub>thA</sub>	0.3 <sup>1)</sup>	K/mW
Forward Voltage at I <sub>F</sub> = 100 mA	V <sub>F</sub>	1	V
<sup>1)</sup> Valid provided that electrodes are kept at ambient temperature			

## BZV55B2V0...BZV55B200

### Characteristics at $T_a = 25\text{ }^\circ\text{C}$

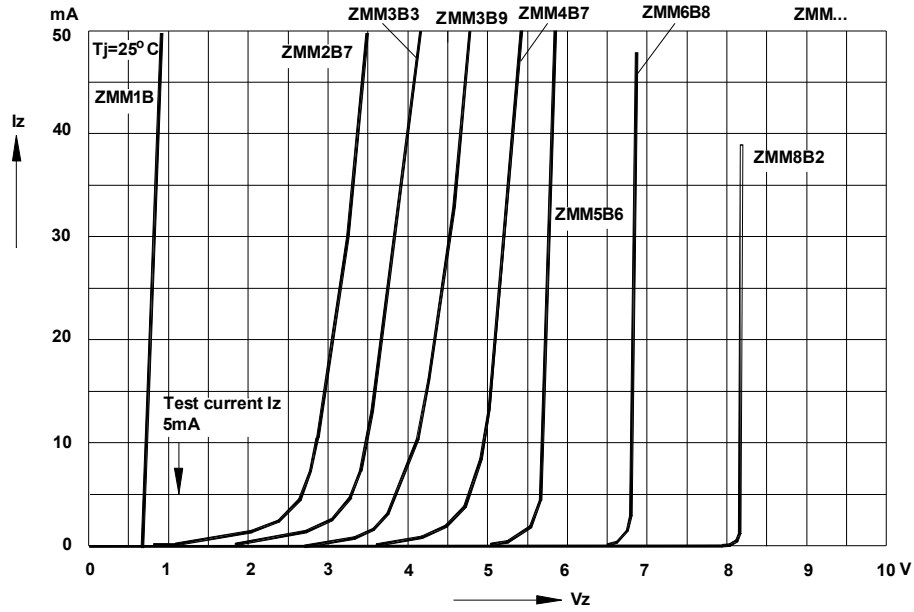
Type	Zener Voltage Range <sup>1)</sup>			Dynamic Resistance			Reverse Leakage Current			Temp coefficient of Zener Voltage TKvz (%/K)
	$V_{Znom}$	$V_{ZT}$	at $I_{ZT}$	$Z_{ZT}$	$Z_{ZK}$	at $I_{ZK}$	$T_a = 25\text{ }^\circ\text{C}$	$T_a = 125\text{ }^\circ\text{C}$	at $V_R$	
	(V)	(V)	(mA)	Max. ( $\Omega$ )	Max. ( $\Omega$ )	(mA)	Max. ( $\mu\text{A}$ )	Max. ( $\mu\text{A}$ )	(V)	
ZV552V0	2	1.96...2.04	5	85	600	1	100	200	1	-0.09...-0.06
BZV55B2V2	2.2	2.15...2.25	5	85	600	1	75	160	1	-0.09...-0.06
BZV55B2V4	2.4	2.35...2.45	5	85	600	1	50	100	1	-0.09...-0.06
BZV55B2V7	2.7	2.64...2.75	5	85	600	1	10	50	1	-0.09...-0.06
BZV55B3V0	3	2.94...3.06	5	85	600	1	4	40	1	-0.08...-0.05
BZV55B3V3	3.3	3.23...3.36	5	85	600	1	2	40	1	-0.08...-0.05
BZV55B3V6	3.6	3.52...3.67	5	85	600	1	2	40	1	-0.08...-0.05
BZV55B3V9	3.9	3.82...3.98	5	85	600	1	2	40	1	-0.08...-0.05
BZV55B4V3	4.3	4.21...4.39	5	75	600	1	1	20	1	-0.06...-0.03
BZV55B4V7	4.7	4.6...4.8	5	60	600	1	0.5	10	1	-0.05...+0.02
BZV55B5V1	5.1	4.99...5.2	5	35	550	1	0.1	2	1	-0.02...+0.02
BZV55B5V6	5.6	5.49...5.71	5	25	450	1	0.1	2	1	-0.05...+0.05
BZV55B6V2	6.2	6.07...6.32	5	10	200	1	0.1	2	2	0.03...0.06
BZV55B6V8	6.8	6.66...6.94	5	8	150	1	0.1	2	3	0.03...0.07
BZV55B7V5	7.5	7.35...7.65	5	7	50	1	0.1	2	5	0.03...0.07
BZV55B8V2	8.2	8.04...8.36	5	7	50	1	0.1	2	6.2	0.03...0.08
BZV55B9V1	9.1	8.92...9.28	5	10	50	1	0.1	2	6.8	0.03...0.09
BZV55B10	10	9.8...10.2	5	15	70	1	0.1	2	7.5	0.03...0.1
BZV55B11	11	10.8...11.2	5	20	70	1	0.1	2	8.2	0.03...0.11
BZV55B12	12	11.8...12.2	5	20	90	1	0.1	2	9.1	0.03...0.11
BZV55B13	13	12.7...13.3	5	26	110	1	0.1	2	10	0.03...0.11
BZV55B15	15	14.7...15.3	5	30	110	1	0.1	2	11	0.03...0.11
BZV55B16	16	15.7...16.3	5	40	170	1	0.1	2	12	0.03...0.11
BZV55B18	18	17.6...18.4	5	50	170	1	0.1	2	13	0.03...0.11
BZV55B20	20	19.6...20.4	5	55	220	1	0.1	2	15	0.03...0.11
BZV55B22	22	21.6...22.5	5	55	220	1	0.1	2	16	0.04...0.12
BZV55B24	24	23.5...24.5	5	80	220	1	0.1	2	18	0.04...0.12
BZV55B27	27	26.4...27.6	5	80	220	1	0.1	2	20	0.04...0.12
BZV55B30	30	29.4...30.6	5	80	220	1	0.1	2	22	0.04...0.12
BZV55B33	33	32.3...33.7	5	80	220	1	0.1	2	24	0.04...0.12
BZV55B36	36	35.2...36.8	5	80	220	1	0.1	2	27	0.04...0.12
BZV55B39	39	38.2...39.8	2.5	90	500	0.5	0.1	5	30	0.04...0.12
BZV55B43	43	42.1...43.9	2.5	90	500	0.5	0.1	5	33	0.04...0.12
BZV55B47	47	46...48	2.5	110	600	0.5	0.1	5	36	0.04...0.12
BZV55B51	51	49.9...52.1	2.5	125	700	0.5	0.1	10	39	0.04...0.12
BZV55B56	56	54.8...57.2	2.5	135	700	0.5	0.1	10	43	0.04...0.12
BZV55B62	62	60.7...63.3	2.5	150	1000	0.5	0.1	10	47	0.04...0.12
BZV55B68	68	66.6...69.4	2.5	200	1000	0.5	0.1	10	51	0.04...0.12
BZV55B75	75	73.5...76.5	2.5	250	1000	0.5	0.1	10	56	0.04...0.12
BZV55B82	82	80.3...83.7	2.5	300	1500	0.25	0.1	10	62	0.05...0.12
BZV55B91	91	89.1...92.9	1	450	2000	0.1	0.1	10	68	0.05...0.12
BZV55B100	100	98...102	1	450	5000	0.1	0.1	10	75	0.05...0.12
BZV55B110	110	107.8...112.2	1	600	5000	0.1	0.1	10	82	0.05...0.12
BZV55B120	120	117.6...122.4	1	800	5500	0.1	0.1	10	91	0.05...0.12
BZV55B130	130	127.4...132.6	1	950	6000	0.1	0.1	10	100	0.05...0.12
BZV55B150	150	147...153	1	1250	6500	0.1	0.1	10	110	0.05...0.12
BZV55B160	160	156.8...163.2	1	1400	7000	0.1	0.1	10	120	0.05...0.12
BZV55B180	180	176.4...183.6	1	1700	8500	0.1	0.1	10	130	0.05...0.12
BZV55B200	200	196...204	1	2000	10000	0.1	0.1	10	150	0.05...0.12

<sup>1)</sup> Tested with pulses  $t_p = 20\text{ ms}$ .

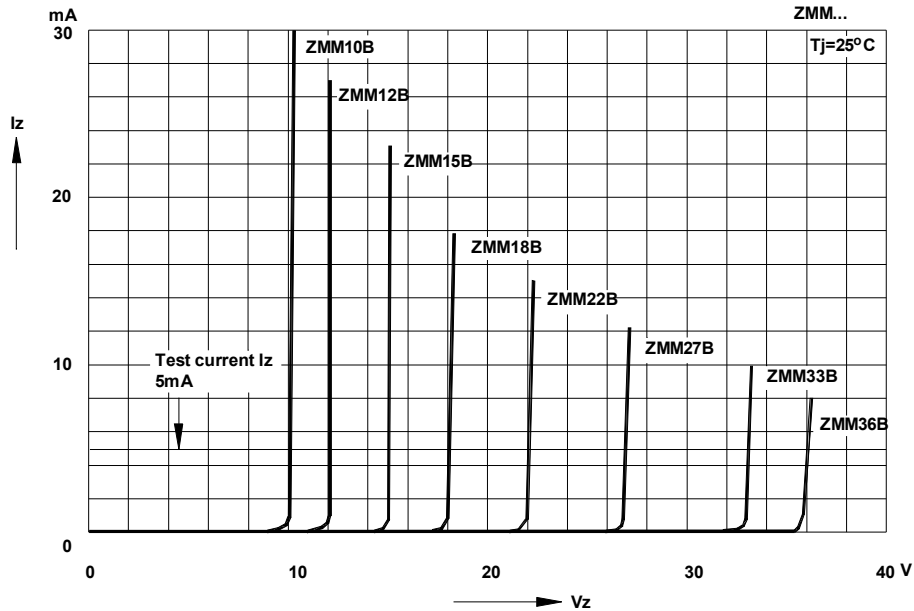
<sup>2)</sup> The ZMM1 is a silicon diode with operation in forward direction. Hence, the index of all parameters should be "F" instead of "Z". Connect the cathode electrode to the negative pole.

## ZMM2V0...ZMM200

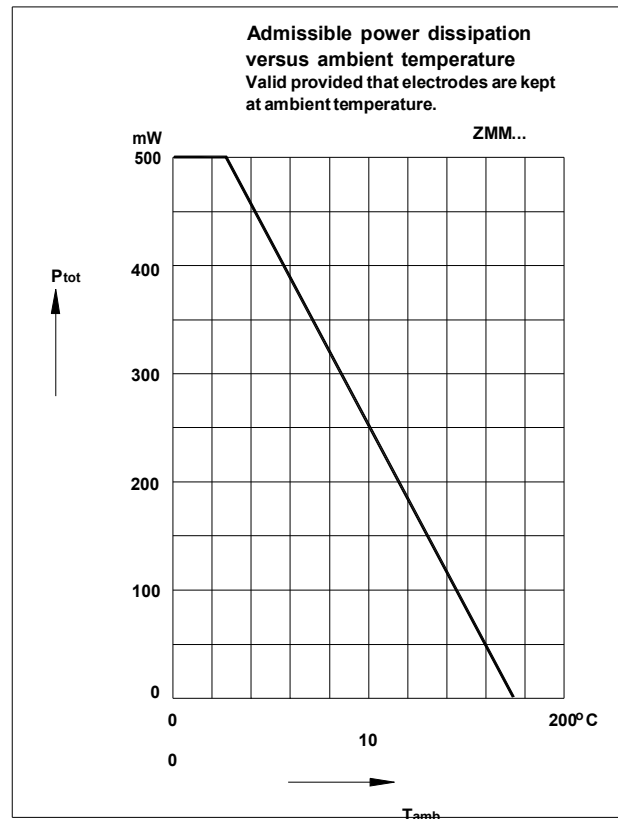
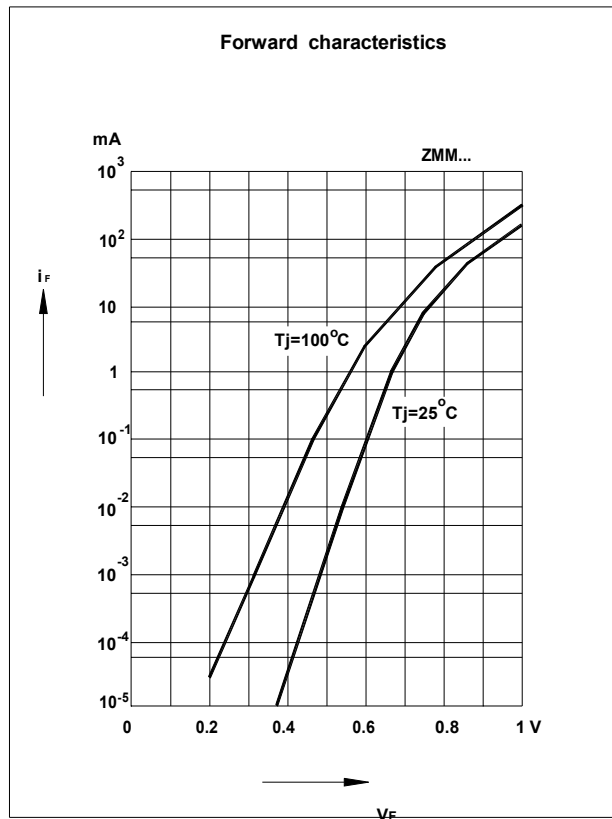
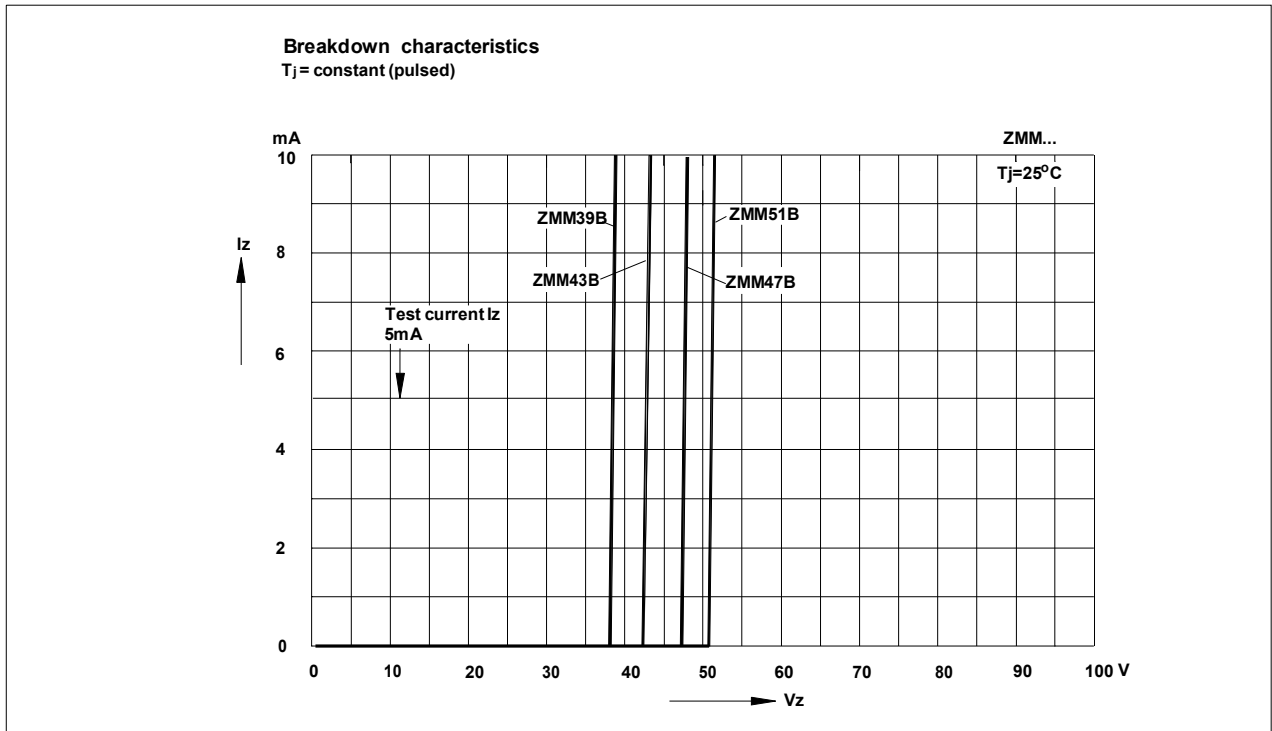
**Breakdown characteristics**  
T<sub>j</sub> = constant (pulsed)



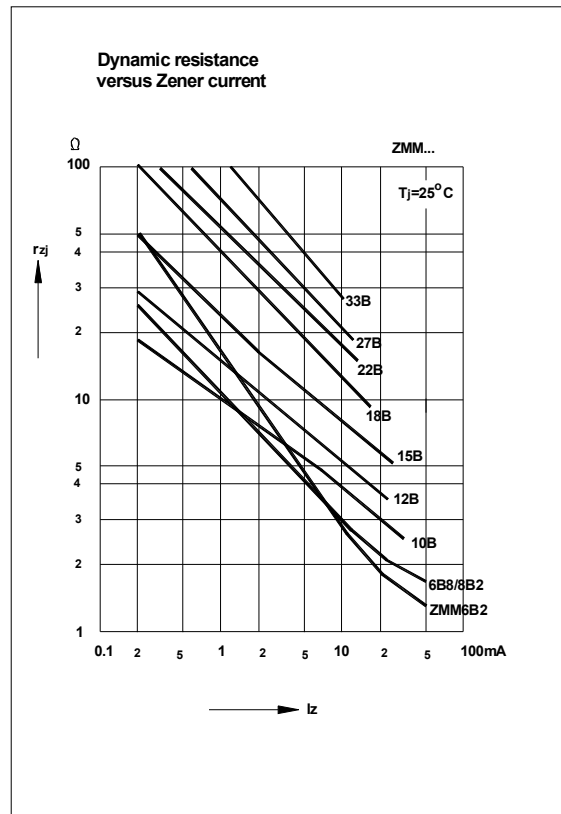
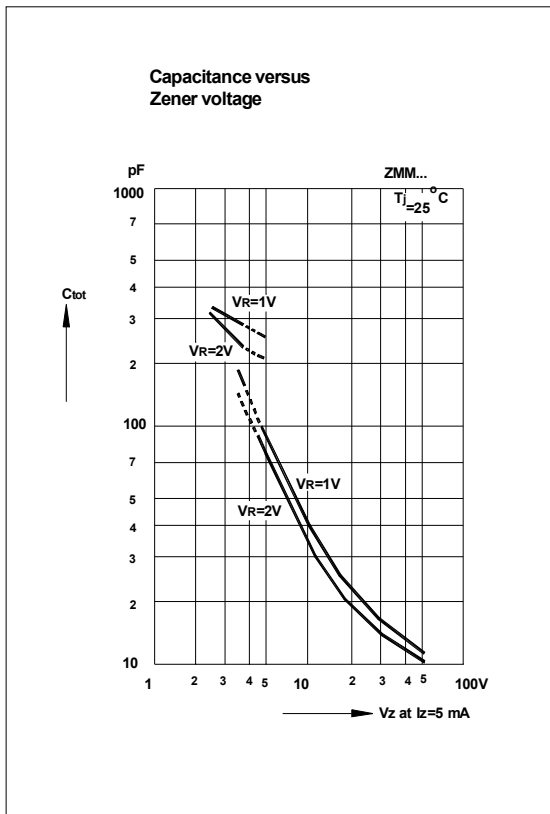
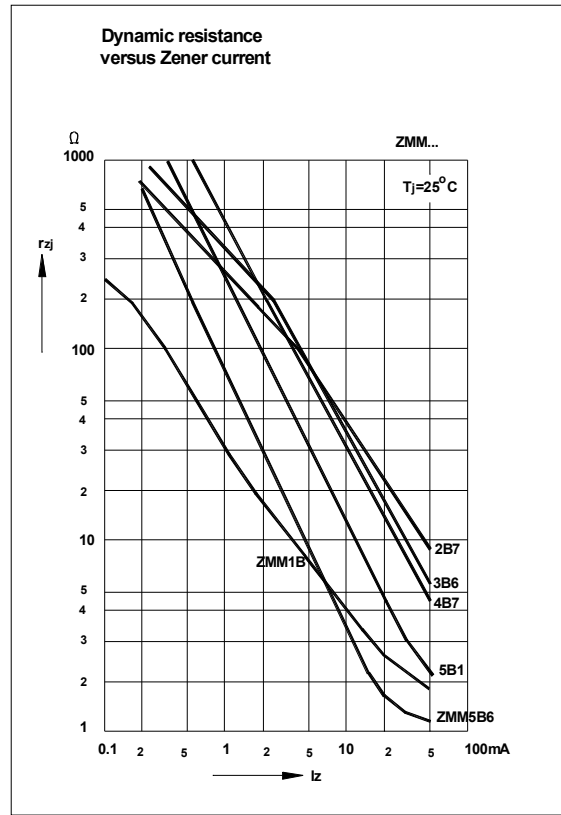
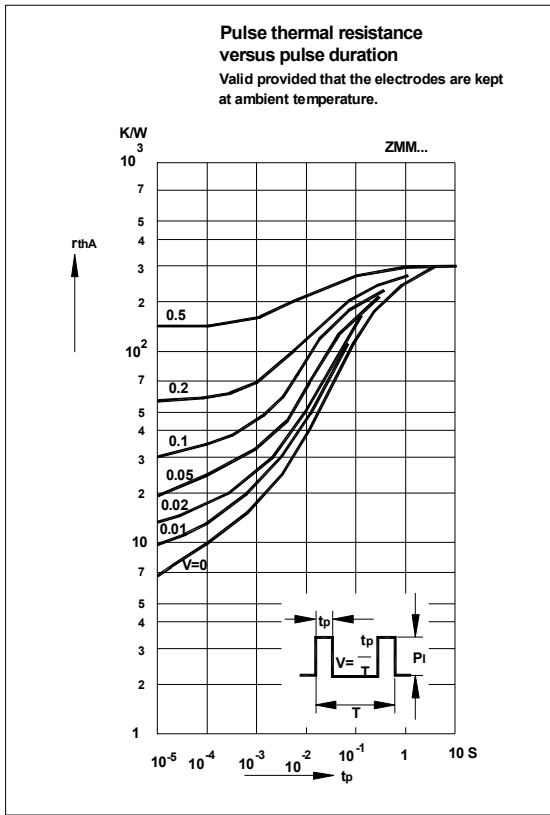
**Breakdown characteristics**  
T<sub>j</sub> = constant (pulsed)



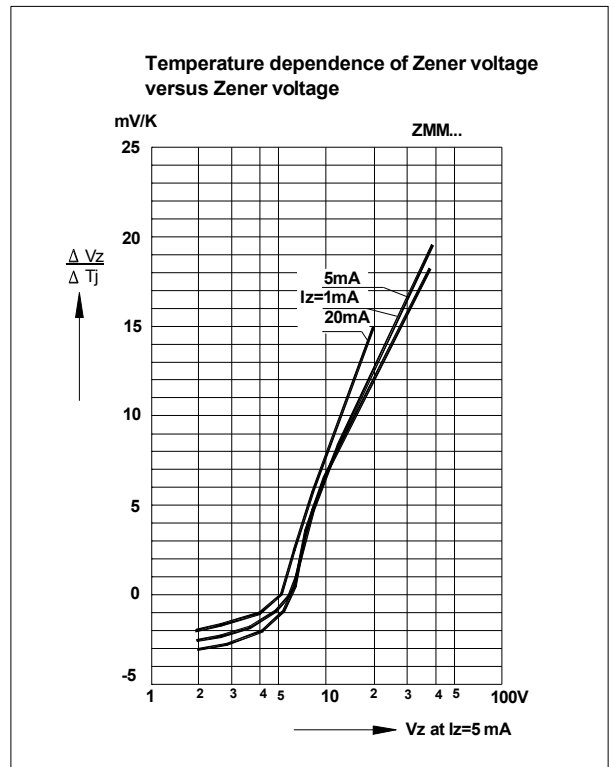
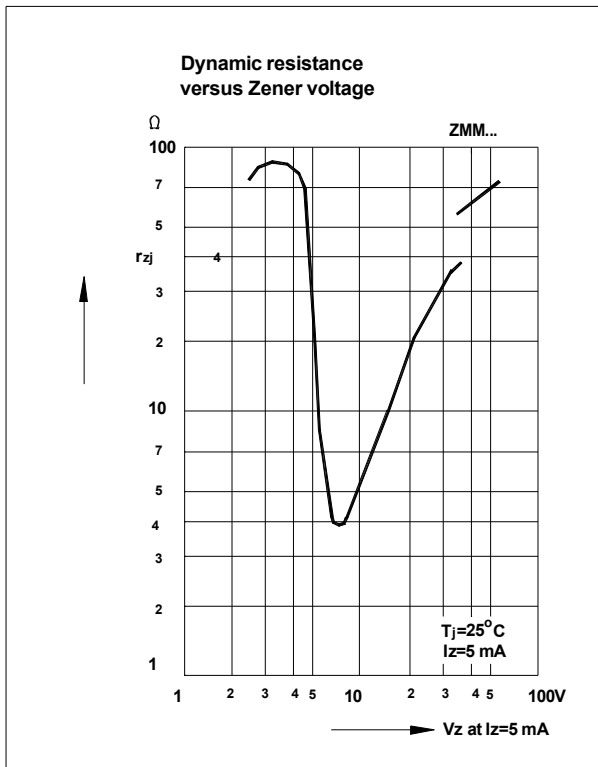
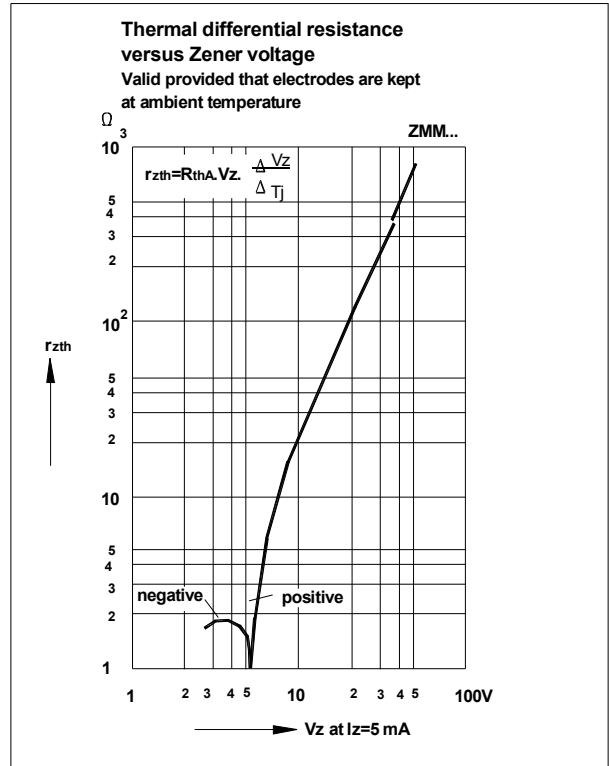
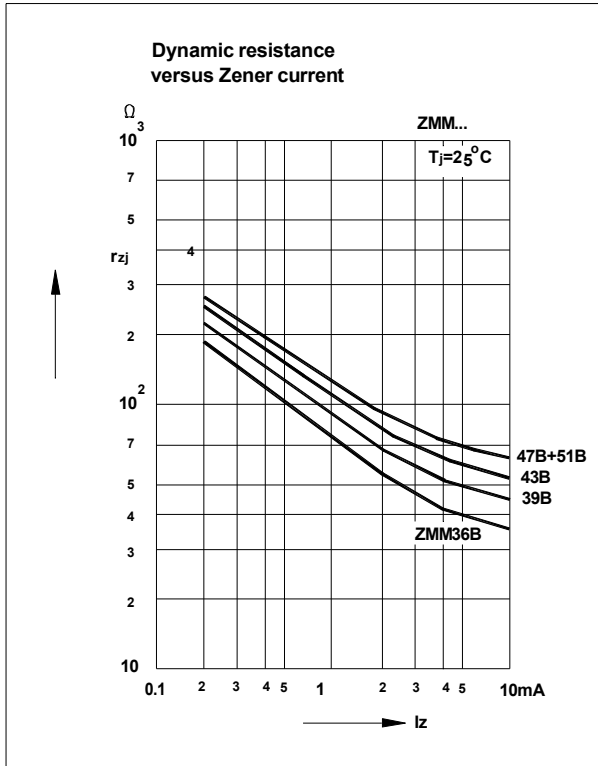
## ZMM2V0...ZMM200



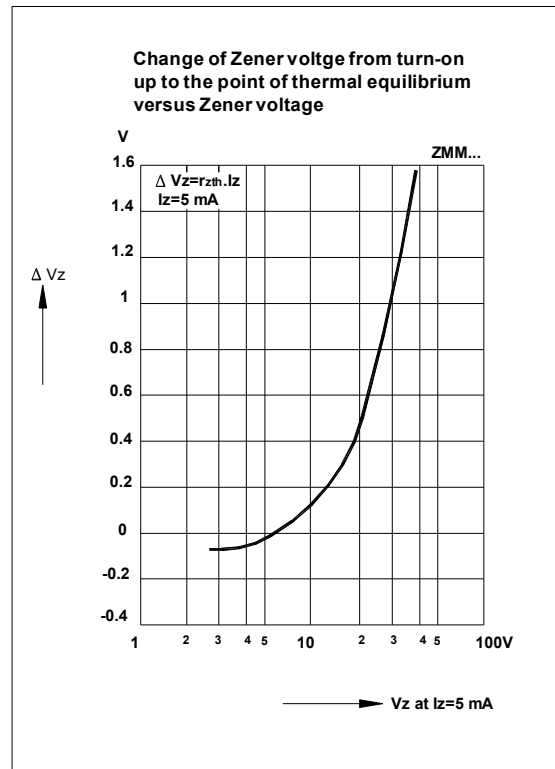
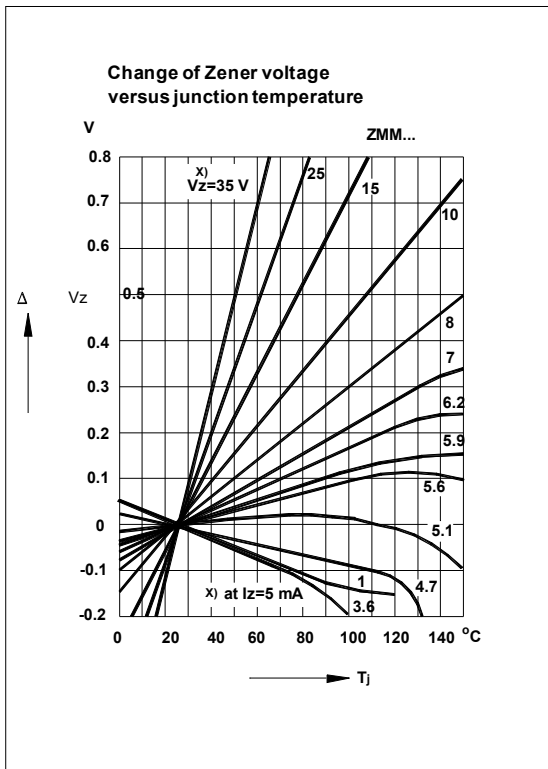
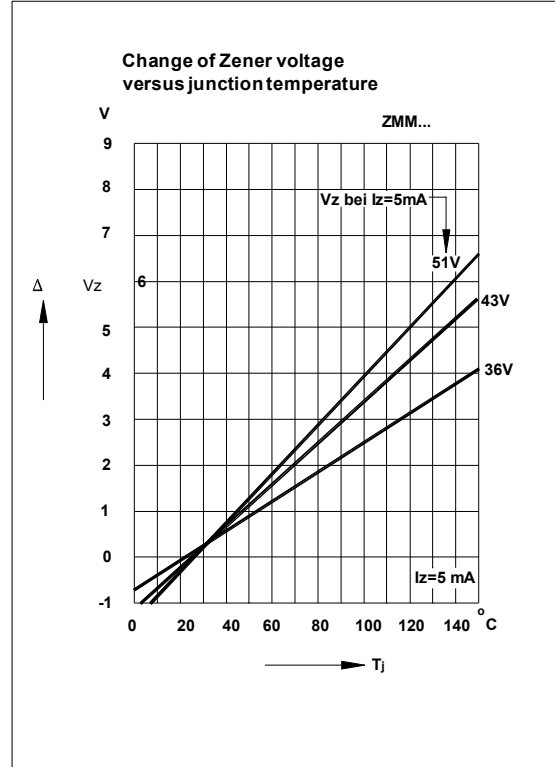
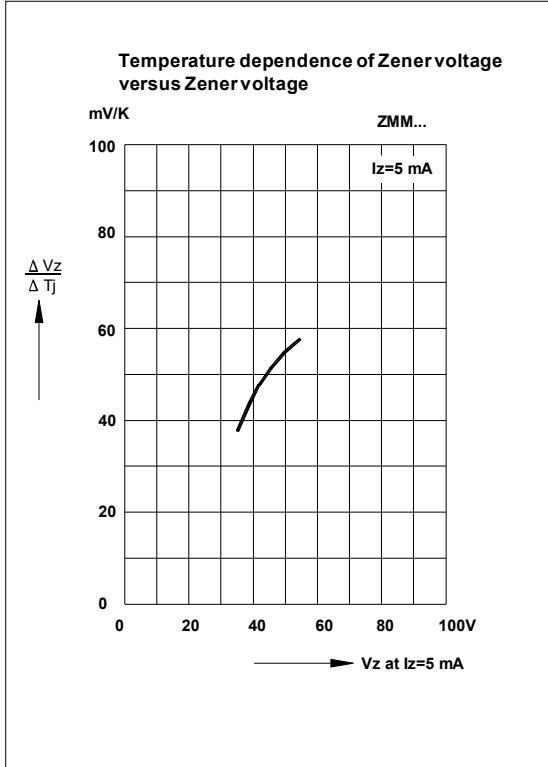
**ZMM2V0...ZMM200**



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