

MM3Z2V0~MM3Z75

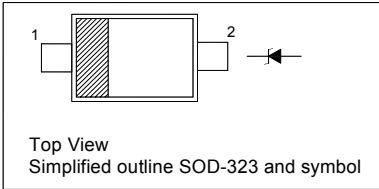
Silicon Planar Zener Diodes

Features

- Total power dissipation : max. 300 mW
- Small plastic package suitable for surface mounted design
- Tolerance approximately $\pm 5\%$

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

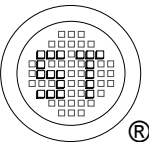


Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	300	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	Max.	Unit
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	417	$^\circ\text{C/W}$
Forward Voltage at $I_F = 10\text{ mA}$	V_F	0.9	V



SEMTECH ELECTRONICS LTD.
Subsidiary of Sino-Tech International (BVI) Limited



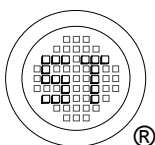
Dated : 12/06/2009

MM3Z2V0~MM3Z75

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

Type	Marking Code	Zener Voltage Range ¹⁾			Dynamic Impedance		Reverse Leakage Current	
		V_{znom} V	I_{ZT} mA	for V_{ZT} V	Z_{ZT} (Max.) Ω	at I_{ZT} mA	I_R (Max.) μA	at V_R V
MM3Z2V0	B0	2.0	5	1.8...2.15	100	5	120	0.5
MM3Z2V2	C0	2.2	5	2.08...2.33	100	5	120	0.7
MM3Z2V4	1C	2.4	5	2.28...2.56	100	5	120	1
MM3Z2V7	1D	2.7	5	2.5...2.9	110	5	120	1
MM3Z3V0	1E	3.0	5	2.8...3.2	120	5	50	1
MM3Z3V3	1F	3.3	5	3.1...3.5	130	5	20	1
MM3Z3V6	1H	3.6	5	3.4...3.8	130	5	10	1
MM3Z3V9	1J	3.9	5	3.7...4.1	130	5	5	1
MM3Z4V3	1K	4.3	5	4...4.6	130	5	5	1
MM3Z4V7	1M	4.7	5	4.4...5	130	5	2	1
MM3Z5V1	1N	5.1	5	4.8...5.4	130	5	2	1.5
MM3Z5V6	1P	5.6	5	5.2...6	80	5	1	2.5
MM3Z6V2	1R	6.2	5	5.8...6.6	50	5	1	3
MM3Z6V8	1X	6.8	5	6.4...7.2	30	5	0.5	3.5
MM3Z7V5	1Y	7.5	5	7...7.9	30	5	0.5	4
MM3Z8V2	1Z	8.2	5	7.7...8.7	30	5	0.5	5
MM3Z9V1	2A	9.1	5	8.5...9.6	30	5	0.5	6
MM3Z10	2B	10	5	9.4...10.6	30	5	0.1	7
MM3Z11	2C	11	5	10.4...11.6	30	5	0.1	8
MM3Z12	2D	12	5	11.4...12.7	35	5	0.1	9
MM3Z13	2E	13	5	12.4...14.1	35	5	0.1	10
MM3Z15	2F	15	5	13.8...15.6	40	5	0.1	11
MM3Z16	2H	16	5	15.3...17.1	40	5	0.1	12
MM3Z18	2J	18	5	16.8...19.1	45	5	0.1	13
MM3Z20	2K	20	5	18.8...21.2	50	5	0.1	15
MM3Z22	2M	22	5	20.8...23.3	55	5	0.1	17
MM3Z24	2N	24	5	22.8...25.6	60	5	0.1	19
MM3Z27	2P	27	5	25.1...28.9	70	2	0.1	21
MM3Z30	2R	30	5	28...32	80	2	0.1	23
MM3Z33	2X	33	5	31...35	80	2	0.1	25
MM3Z36	2Y	36	5	34...38	90	2	0.1	27
MM3Z39	2Z	39	2.5	37...41	100	2	2	30
MM3Z43	3A	43	2.5	40...46	130	2	2	33
MM3Z47	3B	47	2.5	44...50	150	2	2	36
MM3Z51	3C	51	2.5	48...54	180	2	1	39
MM3Z56	3D	56	2.5	52...60	180	2	1	43
MM3Z62	3E	62	2.5	58...66	200	2	0.2	47
MM3Z68	3F	68	2.5	64...72	250	2	0.2	52
MM3Z75	3H	75	2.5	70...79	300	2	0.2	57

¹⁾ V_Z is tested with pulses (20 ms).



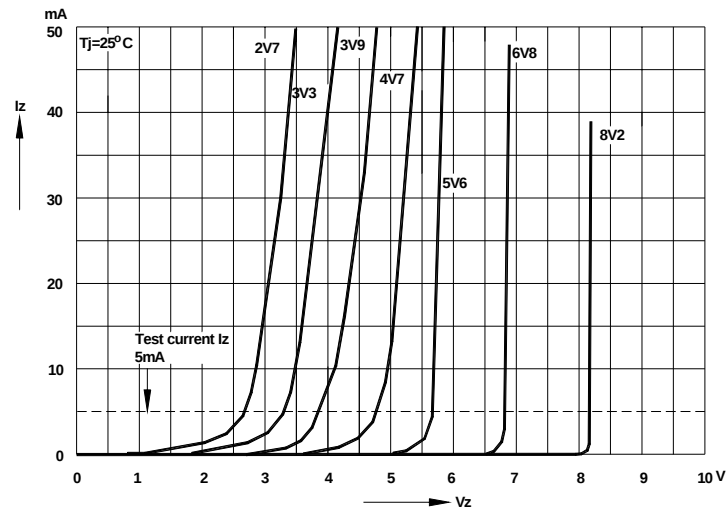
SEMTECH ELECTRONICS LTD.
Subsidiary of Sino-Tech International (BVI) Limited



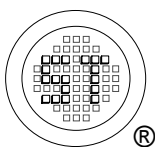
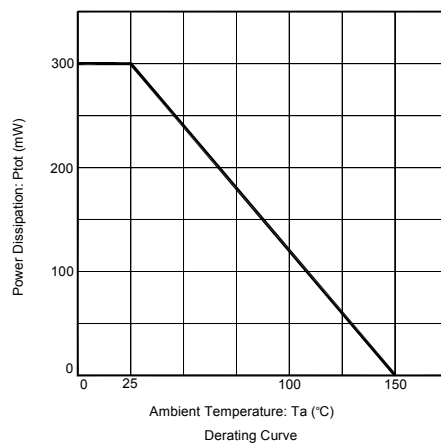
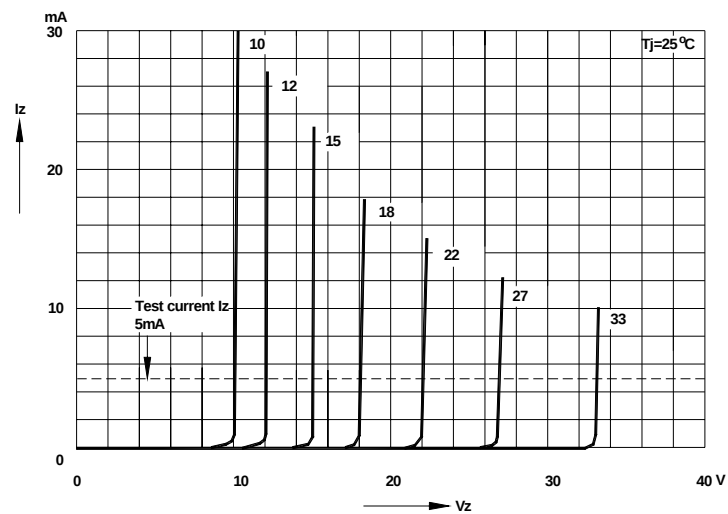
Dated : 12/06/2009

MM3Z2V0~MM3Z75

Breakdown characteristics
T_J = constant (pulsed)



Breakdown characteristics
T_J = constant (pulsed)



SEMTECH ELECTRONICS LTD.
Subsidiary of Sino-Tech International (BVI) Limited



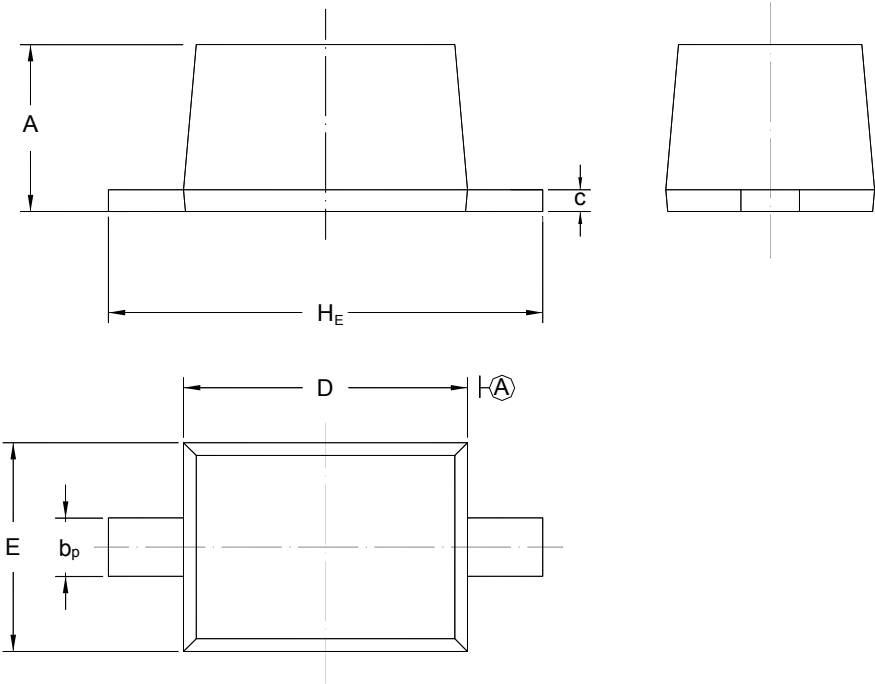
ISO/TS 16949 : 2009 Certificate No. 05103
ISO 14001 : 2004 Certificate No. 7116
ISO 9001 : 2008 Certificate No. 0606086
BS-OHSAS 18001 : 2007 Certificate No. 7116
IEC QC 080000 Certificate No. PRC-18P6-1801

Dated : 12/06/2009

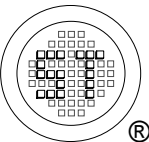
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



UNIT	A	b _p	C	D	E	H _E
mm	1.10 0.80	0.40 0.25	0.15 0.10	1.80 1.60	1.35 1.15	2.80 2.30



SEMTECH ELECTRONICS LTD.
Subsidiary of Sino-Tech International (BVI) Limited



Dated : 12/06/2009

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Zener Diodes](#) category:

Click to view products by [Jinyu](#) manufacturer:

Other Similar products are found below :

[MMSZ5245BS-7-F](#) [RKZ13B2KG#P1](#) [RKZ5.6B2KJ#R1](#) [EDZTE6113B](#) [EDZTE6116B](#) [EDZTE616.8B](#) [1N747A](#) [1N966B](#) [NTE5116A](#)
[NTE5121A](#) [NTE5139A](#) [NTE5147A](#) [NTE5152A](#) [NTE5155A](#) [NTE5156A](#) [NTE5164A](#) [JANS1N4974US](#) [SMAJ4764A-TP](#) [RKZ5.1BKU#P6](#)
[3SMAJ5946B-TP](#) [3SMAJ5950B-TP](#) [3SMBJ5920B-TP](#) [3SMBJ5925B-TP](#) [TDZTR24](#) [441774C](#) [MMSZ4678-TP](#) [MMSZ5232BQ-13-F](#)
[BZG04-36](#) [BZG05C9V1-HE3-TR](#) [HZM30NBTR-E](#) [UDZTE-175.1B](#) [3SMAJ5945B-TP](#) [3SMAJ5947B-TP](#) [3SMBJ5941B-TP](#) [DL4746A-TP](#)
[RKZ18B2KK#R1](#) [RKZ10B2KL#R1](#) [RKZ6.8B2KL#R1](#) [RKZ8.2B2KL#R1](#) [DZ2S240M0L](#) [SMAZ27-TP](#) [SMBZ5920B-E3/52](#) [ZMM3.0](#)
[RD16UM-T1-A](#) [RD39S-T1-A](#) [RD9.1S-T1-A](#) [RD10S-T1-A](#) [RD20S-T1-A](#) [RD2.2S-T1-A](#) [RD2.7UM-T1-A](#)