

MM3Z2B4~MM3ZB75

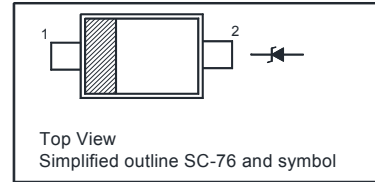
Silicon Planar Zener Diodes

Features

- Power Dissipation: 300 mW
- Zener Voltage Tolerance: $\pm 2\%$

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

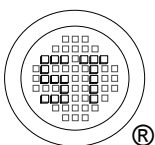


Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Total 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.

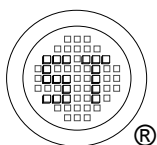
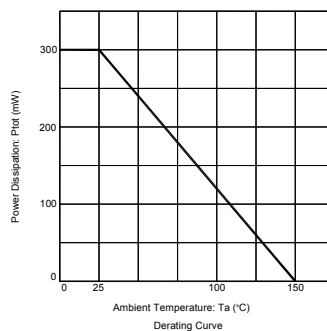


Dated: 01/12/2012 Rev: 01

MM3Z2B4~MM3ZB75

Type	Marking Code	Zener Voltage Range ¹⁾			Dynamic Impedance		Reverse Leakage Current	
		V _{znom}	V _{ZT}	at I _{ZT}	Z _{ZT}	at I _{ZT}	I _R	at V _R
		(V)	(V)	(mA)	Max. (Ω)	(mA)	Max. (μA)	(V)
MM3Z2B4	DN	2.4	2.352...2.448	5	100	5	120	1
MM3Z2B7	DP	2.7	2.646...2.754	5	110	5	120	1
MM3Z3B0	DR	3.0	2.94...3.06	5	120	5	50	1
MM3Z3B3	DX	3.3	3.234...3.366	5	130	5	20	1
MM3Z3B6	DY	3.6	3.528...3.672	5	130	5	10	1
MM3Z3B9	DZ	3.9	3.822...3.978	5	130	5	5	1
MM3Z4B3	ZO	4.3	4.214...4.386	5	130	5	5	1
MM3Z4B7	EB	4.7	4.606...4.794	5	130	5	2	1
MM3Z5B1	EC	5.1	4.998...5.202	5	130	5	2	1.5
MM3Z5B6	ED	5.6	5.488...5.712	5	80	5	1	2.5
MM3Z6B2	EE	6.2	6.076...6.324	5	50	5	1	3
MM3Z6B8	EF	6.8	6.664...6.936	5	30	5	0.5	3.5
MM3Z7B5	EH	7.5	7.35...7.65	5	30	5	0.5	4
MM3Z8B2	EJ	8.2	8.036...8.364	5	30	5	0.5	5
MM3Z9B1	EK	9.1	8.918...9.282	5	30	5	0.5	6
MM3ZB10	EM	10	9.8...10.2	5	30	5	0.1	7
MM3ZB11	EN	11	10.78...11.22	5	30	5	0.1	8
MM3ZB12	EP	12	11.76...12.24	5	35	5	0.1	9
MM3ZB13	ER	13	12.74...13.26	5	35	5	0.1	10
MM3ZB15	EX	15	14.7...15.3	5	40	5	0.1	11
MM3ZB16	EY	16	15.68...16.32	5	40	5	0.1	12
MM3ZB18	EZ	18	17.64...18.36	5	45	5	0.1	13
MM3ZB20	FA	20	19.6...20.4	5	50	5	0.1	15
MM3ZB22	FB	22	21.56...22.44	5	55	5	0.1	17
MM3ZB24	FC	24	23.52...24.48	5	60	5	0.1	19
MM3ZB27	FD	27	26.46...27.54	2	70	2	0.1	21
MM3ZB30	FE	30	29.4...30.6	2	80	2	0.1	23
MM3ZB33	FF	33	32.34...33.66	2	80	2	0.1	25
MM3ZB36	FH	36	35.28...36.72	2	90	2	0.1	27
MM3ZB39	FJ	39	38.22...39.78	2	100	2	0.1	30
MM3ZB43	XJ	43	42.14...43.86	2	130	2	0.1	33
MM3ZB47	XK	47	46.06...47.94	2	150	2	0.1	36
MM3ZB51	XM	51	49.98...52.02	2	180	2	0.1	39
MM3ZB56	XN	56	54.88...57.12	2	200	2	0.1	43
MM3ZB62	XP	62	60.76...63.24	2	215	2	0.1	47
MM3ZB68	XR	68	66.64...69.36	2	240	2	0.1	52
MM3ZB75	XX	75	73.5...76.5	2	265	2	0.1	56

¹⁾ V_{ZT} is tested with pulses (20 ms).



SEMTECH ELECTRONICS LTD.



ISO/TS 16949 : 2009 Certificate No. 18073300 | ISO 14001 : 2004 Certificate No. 7116 | ISO 9001 : 2008 Certificate No. 50713410 | BS-OHSAS 18001 : 2007 Certificate No. 7116 | IECQ QC 080000 Certificate No. PRC-HSPM-1483-1

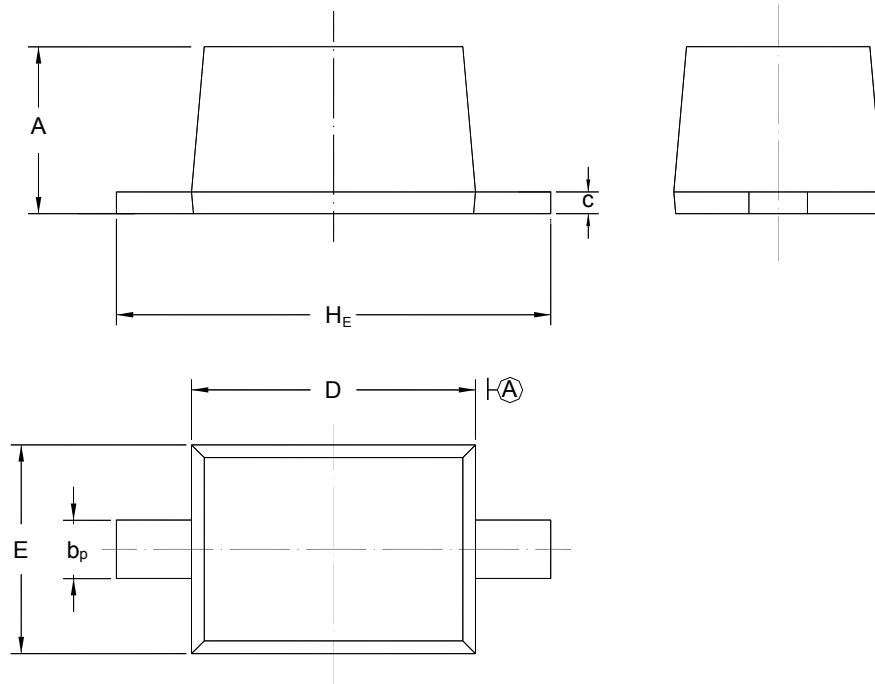
Dated: 01/12/2012 Rev: 01

MM3Z2B4~MM3ZB75

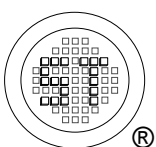
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SC-76



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.



Dated: 01/12/2012 Rev: 01

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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

Click to view products by [SLKORMICRO](#) 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](#)