

SILICON PLANAR ZENER DIODES

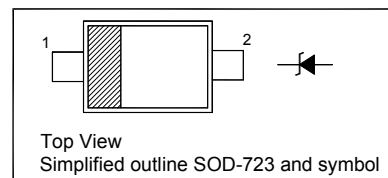
MM7Z2V2B~MM7Z39B

FEATURES

- Total power dissipation: max.100 mW
- Small plastic package suitable for surface mounted design
- High reliability

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



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

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	100	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{Stg}	- 55 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10 \text{ mA}$	V_F	0.9	V

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

Type	Marking Code	Zener Voltage Range ¹⁾			Dynamic Impedance ²⁾		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
MM7Z2V2B	A9	2.2	5	2.1...2.4	100	5	120	0.7
MM7Z2V4B	B9	2.4	5	2.3...2.65	100	5	120	1
MM7Z2V7B	C9	2.7	5	2.65...2.95	110	5	120	1
MM7Z3V0B	D9	3.0	5	2.95...3.25	120	5	50	1
MM7Z3V3B	E9	3.3	5	3.25...3.55	120	5	20	1
MM7Z3V6B	F9	3.6	5	3.6...3.845	100	5	10	1
MM7Z3V9B	G9	3.9	5	3.89...4.16	100	5	5	1
MM7Z4V3B	H9	4.3	5	4.17...4.43	100	5	5	1
MM7Z4V7B	J9	4.7	5	4.55...4.75	100	5	2	1
MM7Z5V1B	K9	5.1	5	4.98...5.2	80	5	2	1.5
MM7Z5V6B	L9	5.6	5	5.49...5.73	60	5	1	2.5
MM7Z6V2B	M9	6.2	5	6.06...6.33	60	5	1	3
MM7Z6V8B	N9	6.8	5	6.65...6.93	40	5	0.5	3.5
MM7Z7V5B	P9	7.5	5	7.28...7.6	30	5	0.5	4
MM7Z8V2B	Q9	8.2	5	8.02...8.36	30	5	0.5	5
MM7Z9V1B	R9	9.1	5	8.85...9.23	30	5	0.5	6
MM7Z10B	S9	10	5	9.77...10.21	30	5	0.1	7
MM7Z11B	T9	11	5	10.76...11.22	30	5	0.1	8
MM7Z12B	U9	12	5	11.74...12.24	30	5	0.1	9
MM7Z13B	V9	13	5	12.91...13.49	37	5	0.1	10
MM7Z15B	W9	15	5	14.34...14.98	42	5	0.1	11
MM7Z16B	X9	16	5	15.85...16.51	50	5	0.1	12
MM7Z18B	Y9	18	5	17.56...18.35	65	5	0.1	13
MM7Z20B	Z9	20	5	19.52...20.39	85	5	0.1	15
MM7Z22B	A0	22	5	21.54...22.47	100	5	0.1	17
MM7Z24B	B0	24	5	23.72...24.78	120	5	0.1	19
MM7Z27B	C0	27	5	26.19...27.53	150	5	0.1	21
MM7Z30B	D0	30	5	29.19...30.69	200	5	0.1	23
MM7Z33B	E0	33	5	32.15...33.79	250	5	0.1	25
MM7Z36B	F0	36	5	35.07...36.87	300	5	0.1	27
MM7Z39B	G0	39	5	37...41	100	5	2	30

¹⁾ V_Z is tested with pulses(20 ms).

²⁾ Z_{ZT} is measured at I_Z by given a very small A.C. current signal.

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Plastic surface mounted package; 2 leads

SOD-723

Package Outline Dimensions (Units: mm)

