

MM7Z2V4~MM7Z24

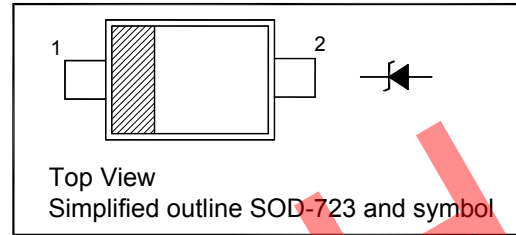
Silicon Planar Zener Diodes

Features

- Standard Zener Breakdown Voltage Range
2.4 V to 24 V
- Steady State Power Rating of 100 mW

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

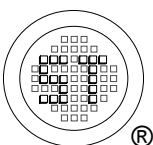


Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Total Device Dissipation	P_{tot}	100	mW
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

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

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



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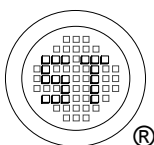
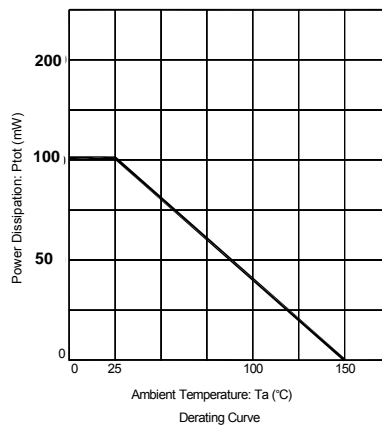
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Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Type	Marking Code	Zener Voltage Range ¹⁾				Dynamic Impedance				Reverse Current	
		V_{znom}	V_{ZT}		at I_{ZT}	Z_{ZT}	at I_{ZT}	Z_{Zk}	at I_{Zk}	I_R	at V_R
		(V)	Min. (V)	Max. (V)	(mA)	Max. (Ω)	(mA)	Max. (Ω)	(mA)	Max. (μA)	(V)
MM7Z2V4	A7	2.4	2.2	2.6	5	100	5	1000	1	120	1
MM7Z2V7	B7	2.7	2.5	2.9	5	100	5	1000	1	120	1
MM7Z3V0	C7	3.0	2.8	3.2	5	100	5	1000	1	50	1
MM7Z3V3	D7	3.3	3.1	3.5	5	95	5	1000	1	20	1
MM7Z3V6	E7	3.6	3.4	3.8	5	90	5	1000	1	10	1
MM7Z3V9	F7	3.9	3.7	4.1	5	90	5	1000	1	5	1
MM7Z4V3	G7	4.3	4	4.6	5	90	5	1000	1	5	1
MM7Z4V7	H7	4.7	4.4	5	5	80	5	800	1	2	1
MM7Z5V1	J7	5.1	4.8	5.4	5	60	5	500	1	2	1.5
MM7Z5V6	K7	5.6	5.2	6	5	40	5	200	1	1	2.5
MM7Z6V2	L7	6.2	5.8	6.6	5	10	5	100	1	1	3
MM7Z6V8	M7	6.8	6.4	7.2	5	15	5	160	1	0.5	3.5
MM7Z7V5	N7	7.5	7	7.9	5	15	5	160	1	0.5	4
MM7Z8V2	P7	8.2	7.7	8.7	5	15	5	160	1	0.5	5
MM7Z9V1	Q7	9.1	8.5	9.6	5	15	5	160	1	0.5	6
MM7Z10	R7	10	9.4	10.6	5	20	5	160	1	0.1	7
MM7Z11	S7	11	10.4	11.6	5	20	5	160	1	0.1	8
MM7Z12	T7	12	11.4	12.7	5	25	5	80	1	0.1	9
MM7Z13	U7	13	12.4	14.1	5	30	5	80	1	0.1	10
MM7Z15	V7	15	13.8	15.6	5	30	5	80	1	0.1	11
MM7Z16	W7	16	15.3	17.1	2	40	2	80	1	0.1	12
MM7Z18	X7	18	16.8	19.1	2	45	2	80	1	0.1	13
MM7Z20	Y7	20	18.8	21.2	2	55	2	100	1	0.1	15
MM7Z22	Z7	22	20.8	23.3	2	55	2	100	1	0.1	17
MM7Z24	A8	24	22.8	25.6	2	70	2	120	1	0.1	19

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



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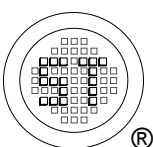
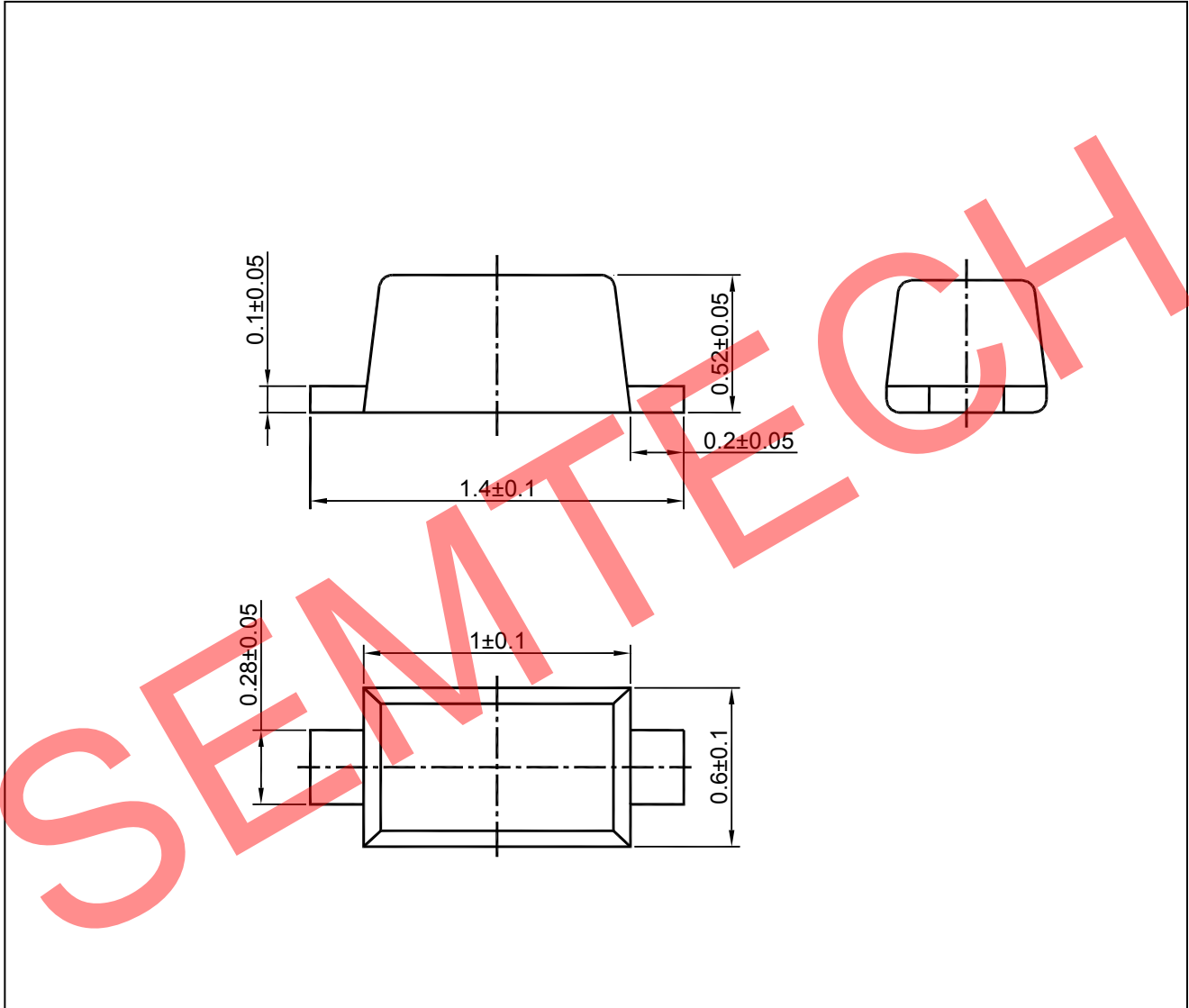
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Plastic surface mounted package; 2 leads

SOD-723

Package Outline Dimensions (Units: mm)



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