

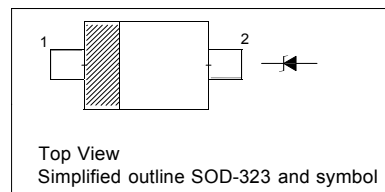
Silicon Planar Zener Diodes

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

Features

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



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

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	$^\circ\text{C}$

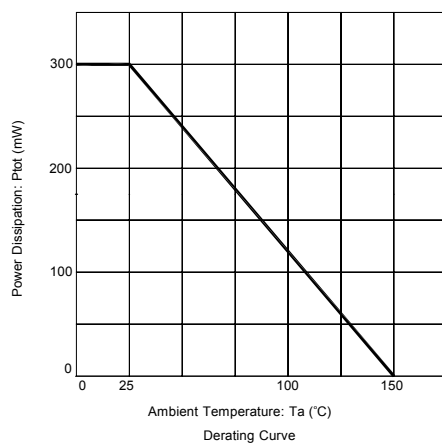
Characteristics at $T_a = 25^\circ\text{C}$

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

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} for V_{ZT}		Z_{ZT} (Max.) at I_{ZT}		I_{R} (Max.) at V_{R}	
			mA	V	Ω	mA	μA	V
MM3Z5V1	OA	5.1	5	4.8...5.4	130	5	2	1.5

Breakdown characteristics
 $T_J = \text{constant (pulsed)}$



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323

