

Surface Mount Zener Diode



SOD-323

Features:

- Planar Die Construction
- General Purpose, Medium Current
- Ideally Suited for Automated Assembly Processes

Applications:

- Zener diode
- Ultra-small surface mount package

Maximum Rating @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbol	Value	Unit
Forward voltage @ $I_F = 10\text{mA}$	V_F	0.9	V
Power dissipation	P_D	200	mW
Thermal resistance, junction to ambient air	$R_{\theta JA}$	625	$^\circ\text{C/W}$
Junction temperature	T_J	150	$^\circ\text{C}$
Storage temperature range	T_{stg}	-65 to +150	$^\circ\text{C}$

Note : Valid provided that device terminals are kept at ambient temperature.
Tested with pulses, $t \leq 1\text{ms}$.

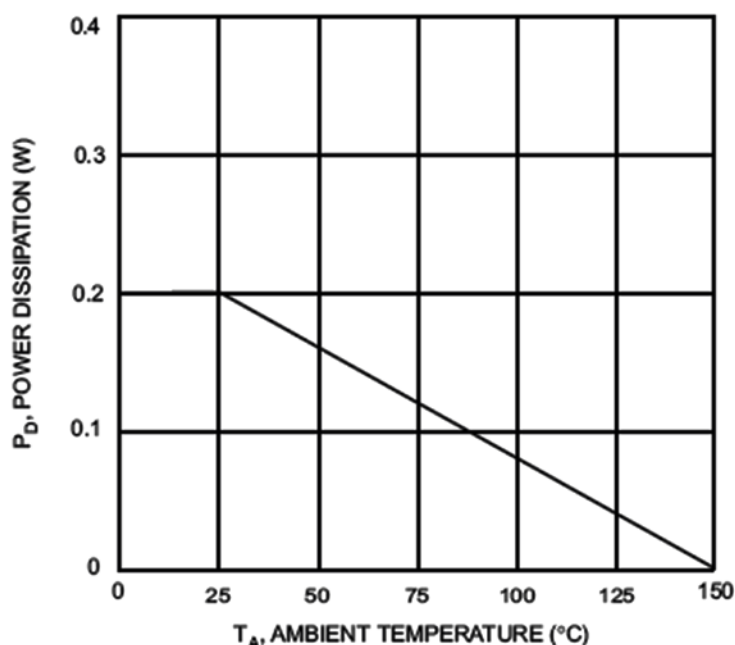
Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Type Number	Mark- ing Code	Zener Voltage Range			Test Current	Maximum Zener Impedance		Maximum Reverse Leakage Current	
		V _z @I _{ZT}			I _{ZT}	Z _{ZT} @I _{ZT}	Z _{ZK} @I _{ZK} = 0.25mA	I _R	@V _R
		Nom(V)	Min(V)	Max(V)	mA	Ω		μA	V
MMSZ5245B	H5	15	14.25	15.75	8.5	16	600	0.1	11

Surface Mount Zener Diode

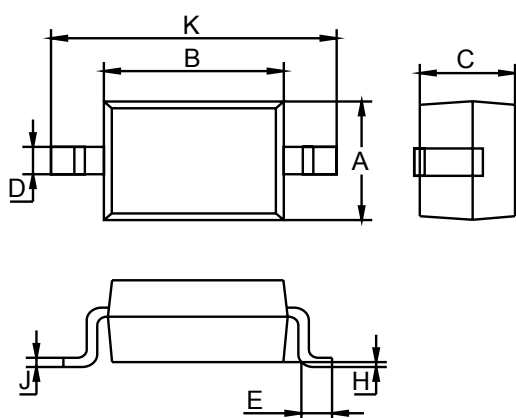


Typical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified



Package Outline

Plastic surface mounted package

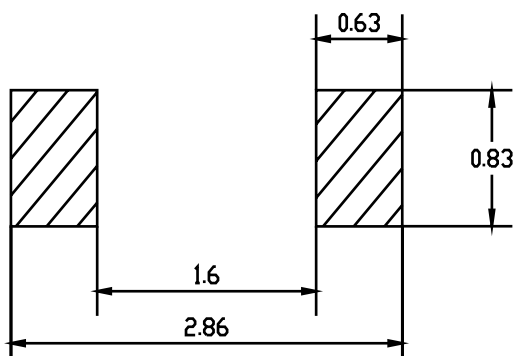


SOD-323		
Dim	Min	Max
A	1.275	1.325
B	1.675	1.725
C	0.9 Typical	
D	0.25	0.35
E	0.27	0.37
H	0.02	0.1
J	0.1 Typical	
K	2.6	2.7
All Dimensions in mm		

Surface Mount Zener Diode



Soldering Footprint



Dimensions : Millimetres

Package Information

Device	Package	Shipping
MMSZ5245BS-7-F	SOD-323	3,000/Tape & Reel

Part Number Table

Description	Part Number
Surface Mount Zener Diode	MMSZ5245BS-7-F

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