

Zener Diode



Features:

- Silicon Planar Power Zener Diodes
- Standard Zener Voltage Tolerance is $\pm 5\%$ with a "B" Suffix, and $\pm 10\%$ with a "A" Suffix. other Tolerances are Available Upon Request

Mechanical Data

- Case: JEDEC MINI-MELF, Glass Case
- Terminals: Solderable per MILSTD-202, Method 208
- Polarity: Colour Band Denotes cathode end
- Weight: Approx. 0.031g
- Mounting Position: Any

Maximum Ratings and Thermal Characteristics

($T_A = 25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Value	Unit
Power dissipation at $T_A = 75^\circ\text{C}$ (Note 1)	P_{tot}	500	mW
Maximum thermal resistance junction to ambient (Note 1)	$R_{\theta JA}$	300	k/W
Junction and Storage temperature range	T_J, T_{STG}	-55 to +175	$^\circ\text{C}$

Notes:

(1) Valid provided that electrodes are kept at ambient temperature.

Electrical Characteristics:

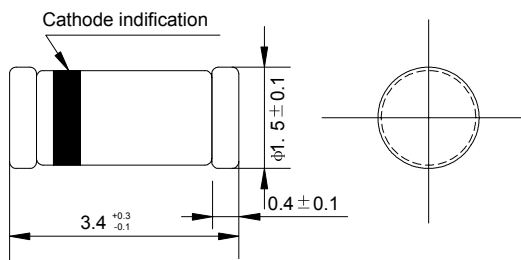
(Ratings at 25°C ambient temperature unless otherwise specified).

Part Number	Nominal Zener Voltage		Maximum Zener Impedance		Typical Temperature Coefficient	Maximum Reverse Leakage Current		Maximum DC Zener Current
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$ (Note 1)	αV_Z	$I_R @ V_R$		I_{ZM}
	(V)	(mA)	(Ω)	(Ω)	$\%/^\circ\text{C}$	(μA)	(V)	(mA)
ZMM5232B-7	5.6	20	11	1,600	+0.038	5	3	81
ZMM5236B-7	7.5		6	500	+0.058	3	6	61
ZMM5248B-7	18	7	21	600	+0.085	0.1	14	25
ZMM5265B-7	62	2	185	1,400	+0.097		47	-

Notes:

(1) $I_{ZK} = 0.25\text{mA}$

Package Outline Dimensions



MINI-MELF

Dimensions : Millimetres

Part Number Table

Description	Part Number
Zener Diode	ZMM5232B-7
	ZMM5236B-7
	ZMM5248B-7
	ZMM5265B-7

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