

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°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Power dissipation at T _a =75°C (Note 1)	P _{tot}	500	mW
Maximum thermal resistance junction to ambient (Note 1)	R _{θJA}	300	k/W
Junction and Storage temperature range	T _J , T _{STG}	-55 to +175	°C

Notes:

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

Electrical Characteristics:

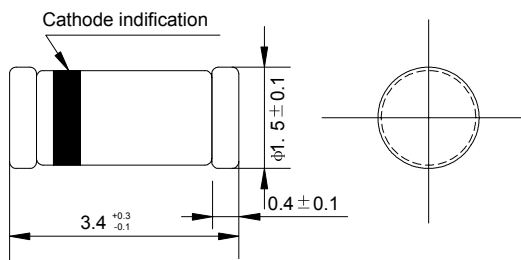
(Ratings at 25°C ambient temperature unless otherwise specified).

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)	%/°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}=0.25mA

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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