Zener Diode





Features:

- · Silicon Planar Power Zener Diodes
- Standard Zener Voltage Tolerance is ±5% with a "B" Suffix, and ±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 cathods end

Weight: Approx. 0.031gMounting 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)	Ptot	500	mW
Maximum thermal resistance junction to ambient (Note 1)	RөJA	300	k/W
Junction and Storage temperature range	Тл, Тѕтс	-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
	Vz @ Izτ	lzт	Z zт @ I zт	Zzk @ Izk (Note 1)	αVz	IR @ VR		Ігм
	(V)	(mA)	(Ω)	(Ω)	%/°C	(μΑ)	(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) Izk=0.25mA

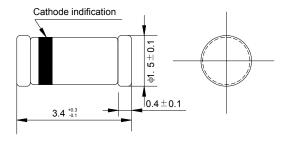
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Zener Diode



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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