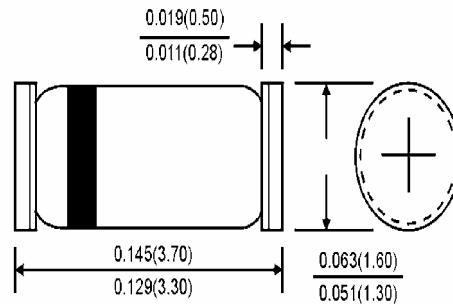


MINI MELF



Dimensions in inches and (millimeters)

Features

- ✧ Fast Switching Device
- ✧ Mini Melf package
- ✧ Surface device type mounting
- ✧ Hermetically sealed glass
- ✧ Compression bonded construction
- ✧ All external surface are corrosion resistant and leads are readily solderable

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Maximum Ratings

Type Number	Symbol	Value	Units
Repetitive Peak Reverse Voltage	VRRM	100	V
Reverse Voltage	VR	75	V
Non- Repetitive Peak Forward Current	IFM	450	mA
Average Rectified Current	Io	150	mA
Peak Forward Surge Current tp=1uS	IFSM	2.0	A
Power Dissipation (Note 1)	Pd	500	mW
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to + 175	°C

Electrical Characteristics

Type Number	Symbol	Min	Max	Units
Forward Voltage IF=5.0mA IF= 100mA	V _F	0.62	0.72 1.0	V
Peak Reverse Current VR=20V VR=75V	I _R	-	25 5	nA uA
Junction Capacitance VR=0, f=1.0MHz	C _j	-	4.0	pF
Reverse Recovery Time (Note)	trr	-	4.0	nS

Notes: Reverse Recovery Test Conditions: IF=10mA, VR=6V, Irr=0.1 x IR, RL=100Ω.