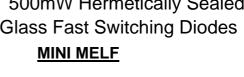


LL4448

500mW Hermetically Sealed Glass Fast Switching Diodes

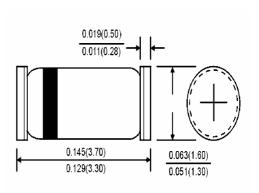






Features

- 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



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25°Cambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

Maximum Ratings

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	lo	150	mA			
Peak Forward Surge Current tp=1uS	IFSM	2.0	Α			
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	VF	0.62	0.72 1.0	V
Peak Reverse Current	VR=20V VR=75V	IR	-	25 5	nA uA
Junction Capacitance	VR=0, f=1.0MHz	Cj	=	4.0	pF
Reverse Recovery Tim	e (Note)	trr	-	4.0	nS

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