

Features

- Lead Free
- Fast switching speed
- High reliability
- High conductance
- For general purpose switching applications



MiniMELF
(SOD-80)

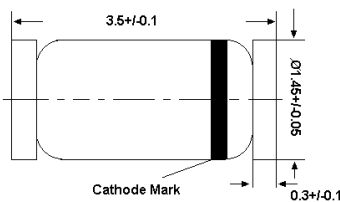
Maximum Ratings ($T_A=25^{\circ}\text{C}$ otherwise specified)

Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	50	V
Average Rectified Forward Current	$I_{F(AV)}$	200	mA
Forward Continuous Current	I_{FM}	300	mA
Power Dissipation	P_{tot}	500	mW
Max. Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	300	$^{\circ}\text{C}/\text{W}$
Junction Temperature	T_J	175	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-65 to +175	$^{\circ}\text{C}$

Electrical Characteristics ($T_A=25^{\circ}\text{C}$ otherwise specified)

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F=200\text{mA}$	V_F	1.2	V
Reverse Current at $V_R=50\text{V}$	I_R	100	nA
Reverse Recovery Time at $I_F=I_R=10$ to 200mA , to $0.1I_F$	t_{rr}	4	ns

Package Outline Dimensions MiniMELF(SOD-80)



Glass case MiniMELF
Dimensions in mm