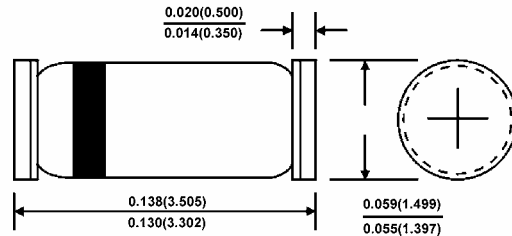




BAS85

200mW Hermetically Sealed Glass Fast
Switching Schottky Barrier Diodes

MINI MELF



Dimensions in inches and (millimeters)

Features

- ✧ Low forward voltage drop
- ✧ LL-34(Mini-MELF) package
- ✧ Through-Hole device type mounting
- ✧ Hermetically sealed glass
- ✧ Compression bonded construction
- ✧ All external surfaces are corrosion resistant and terminals are readily solderable
- ✧ RoHS compliant
- ✧ Solder Hot Dip Tin (Sn) lead finish

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Maximum Ratings

Type Number	Symbol	Value	Units
Power Dissipation	P_d	200	mW
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Maximum DC Blocking Voltage	V_R	30	V
Average Forward Rectified Current	$I_{F(AV)}$	200	mA
Peak Forward Surge Current	I_{FSM}	4	A
Operating Junction Temperature	T_J	125	°C
Storage Temperature Range	T_{STG}	-65 to + 125	°C

Electrical Characteristics

Type Number	Symbol	Min	Typ	Max	Units
Breakdown Voltage $I_R=10\mu A$	B_V	30			V
Reverse Leakage Current $V_R=25V$	I_R			2	μA
Forward Voltage $I_F=0.1mA$ $I_F=1.0mA$ $I_F=10mA$ $I_F=30mA$ $I_F=100mA$	V_F			0.24 0.32 0.40 0.50 0.80	V
Reverse Recovery Time (Note 1)	T_{rr}		5		nS
Junction Capacitance $V_R=1V, f=1.0MHz$	C_j			10	pF

Notes: 1. Reverse Recovery Test Conditions: $I_F=I_R=10mA$, $R_L=100\Omega$, $I_{RR}=1mA$