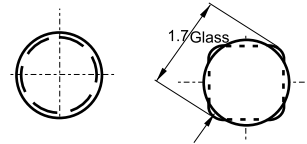
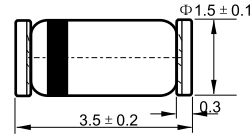



**MINI MELF**


Dimension in millimeters

**Features**

- ✧ High Voltage 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
- ✧ RoHS compliant
- ✧ Matte Tin (Sn) lead finish
- ✧ Color band indicates Negative Polarity

**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   | $V_{RRM}$      | 250          | V     |
| Average Rectified Forward Current   | $I_{F(AV)}$    | 200          | mA    |
| Non- Repetitive Peak Forward Surge Current<br>Pulse Width = 1.0 Second<br>Pulse Width = 1.0 usecond | $I_{FSM}$      | 1.0<br>4.0   | A     |
| Power Dissipation   | $P_d$          | 500          | mW    |
| Operating and Storage Temperature Range   | $T_J, T_{STG}$ | -65 to + 200 | °C    |

**Electrical Characteristics**

| Type Number   | Symbol          | Min                     | Max                      | Units |
|---|-----------------|-------------------------|--------------------------|-------|
| Breakdown Voltage<br>BAV100 IR=100uA<br>BAV101 IR=100uA<br>BAV102 IR=100uA<br>BAV103 IR=100uA | $B_V$           | 60<br>120<br>200<br>250 |                          | V     |
| Forward Voltage<br>IF= 100mA  | $V_F$           |                         | 1.0                      | V     |
| Peak Reverse Current<br>BAV100 VR=50V<br>BAV101 VR=100V<br>BAV102 VR=150V<br>BAV103 VR=200V   | $I_R$           |                         | 100<br>100<br>100<br>100 | nA    |
| Thermal Resistance, Junction to Ambient   | $R_{\theta JA}$ |                         | 350                      | °C/W  |
| Junction Capacitance<br>VR=0, f=1.0MHz  | $C_j$           | -                       | 5.0                      | pF    |
| Reverse Recovery Time (Note)  | $t_{rr}$        | -                       | 50                       | nS    |

 Notes: Reverse Recovery Test Conditions:  $I_F=I_R=30mA$ ,  $I_{rr}=3mA$ ,  $R_L=100\Omega$ .

RATINGS AND CHARACTERISTIC CURVES (BAV100/101/102/103)

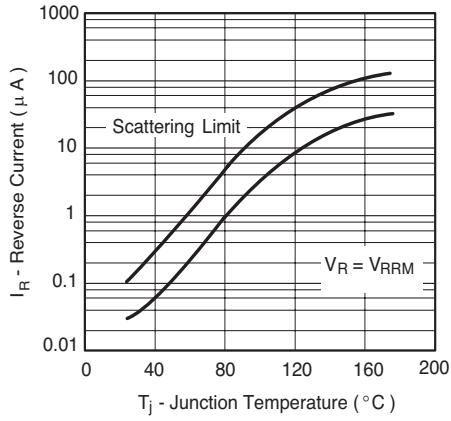


Fig. 1 Reverse Current vs. Junction Temperature

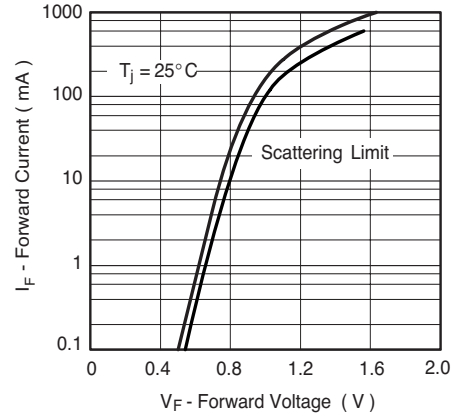


Fig. 2 Forward Current vs. Forward Voltage

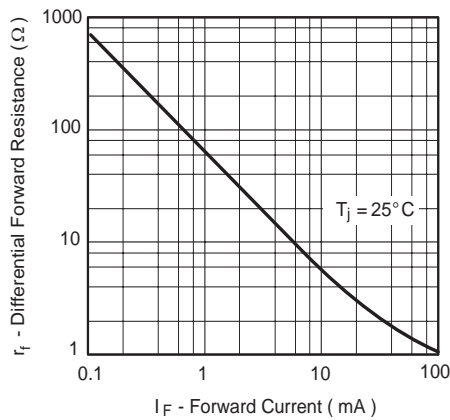


Fig. 3 Differential Forward Resistance vs. Forward Current

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Diodes - General Purpose, Power, Switching category](#):*

*Click to view products by [LGE manufacturer](#):*

Other Similar products are found below :

[MCL4151-TR3](#) [MMBD3004S-13-F](#) [RD0306T-H](#) [1N3611](#) [NTE156A](#) [NTE574](#) [NTE6244](#) [1SS193,LF](#) [1SS400CST2RA](#) [SDAA13](#)  
[SHN2D02FUTW1T1G](#) [LS4151GS08](#) [1N4449](#) [1N456A](#) [1N4934-E3/73](#) [1N914BTR](#) [RFUH20TB3S](#) [D291S45T](#) [BAV300-TR](#) [BAW56DWQ-](#)  
[7-F](#) [BAW75-TAP](#) [MM230L-CAA](#) [IDW40E65D1](#) [JAN1N3600](#) [JAN1N4454UR-1](#) [LL4151-GS18](#) [SMMSD4148T3G](#) [BYW95B/A52A](#)  
[NSVDAN222T1G](#) [CDSZC01100-HF](#) [LL4150-M-08](#) [1N4454-TR](#) [BAV70HDW-7](#) [BAS28-7](#) [JANTX1N6640](#) [BAW56HDW-13](#) [BAS28 TR](#)  
[VS-HFA04SD60STR-M3](#) [NSVM1MA152WKT1G](#) [1SS388-TP](#) [RGP30D-E3/73](#) [VS-8EWF02S-M3](#) [BAV99TQ-13-F](#) [BAV99HDW-13](#)  
[MMDB30-E28X](#) [IDP20C65D2XKSA1](#) [LS4148](#) [IDV15E65D2](#) [NSVM1MA152WAT1G](#) [HN4D02JU\(TE85L,F\)](#)