

MINI-MELF

Dimensions in inches and (millimeters)

Absolute Maximum Ratings

| | | Symbol | Value | Unit |
|--|--------|-----------|---------|-------------|
| Peak Repetitive Reverse Voltage | LL103A | V_{RRM} | 40 | V |
| | LL103B | | 30 | |
| | LL103C | | 20 | |
| Forward Continuous Current | | IFM | 350 | mA |
| RMS Reverse Voltage | LL103A | VR | 28 | V |
| | LL103B | | 21 | |
| | LL103C | | 14 | |
| Repetitive Peak Forward Current @ $t=1.0s$ | | IFRM | 1 | A |
| Power Dissipation at $T_{amb}=25^{\circ}C$ | | Ptot | 400 | mW |
| Storage Temperature Range | | Ts | -65~175 | $^{\circ}C$ |

Characteristics at $T_j=25^{\circ}C$

| | | Symbol | Typ | Max | Unit |
|---|-----------|--------|------|------|---------|
| Forward Voltage | @IF=20mA | VF | - | 0.37 | V |
| | @IF=200mA | | | 0.6 | |
| Maximum Peak Revers Current LL103A at VR=30V LL103B at VR=20V LL103C at VR=10V | | IR | - | 5 | μA |
| Junction Capacitance at VF=VR=0 F=1MHz | | Ctot | 50 | - | pF |
| Reverse Recovery Time From IF=-IR=50mA to 200mA recover to 0.1 IR | | trr | 10 | - | ns |
| Thermal Resistance, Junction to Ambient Air | | RthA | 0.25 | - | K / mW |

Fig.1, Typical Forward Characteristics

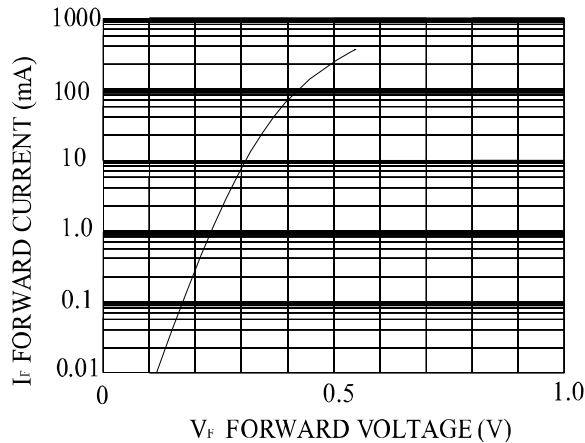


Fig.2, Typical High Current Forward Characteristics

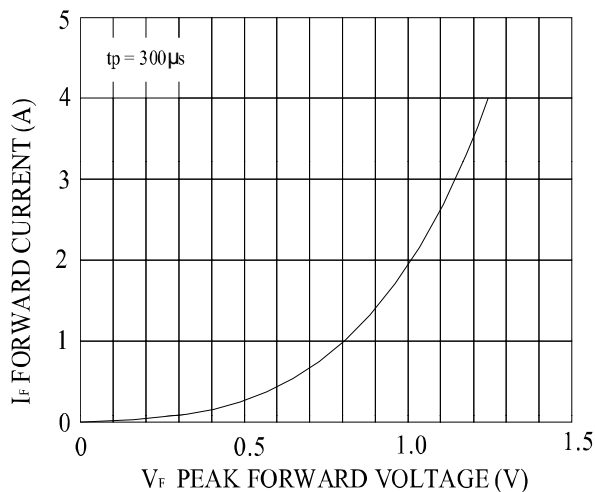


Fig.3, Blocking Voltage Derating Curves

