



**SCHOTTKY DIODE MODULE TYPE  
600A / 150V**

**Features**

- High surge Capability
- Type 150V  $V_{RRM}$
- Isolation Type Package
- Electrically Isolation base plate

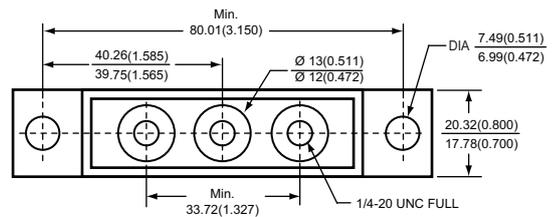


**Maximum Ratings**

Operating Temperature : -55°C to +150 °C  
Storage Temperature : -55°C to +150 °C

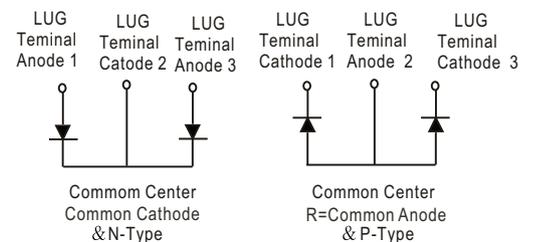
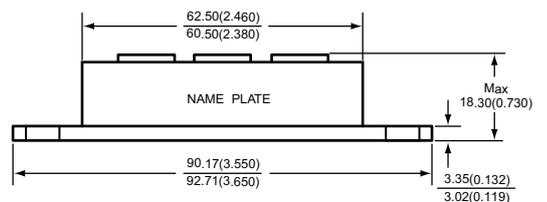
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRT600150(R)	150V	106V	150V

Dimensions in mm (1 mm = 0.0394")



**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Average Forward Current (Per pkg)	$I_{F(AV)}$	600A	$T_C = 125^\circ\text{C}$
Peak Forward Surge Current (Per diode)	$I_{FSM}$	4000A	8.3ms, half sine
Maximum Instantaneous Forward Voltage (Per diode)	$V_F$	0.88V	$I_{FM} = 300\text{A}; T_J = 25^\circ\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per diode)	$I_R$	4 mA 10 mA 25 mA	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$ $T_J = 150^\circ\text{C}$
Isolation Voltage	$V_{iso}$	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	$R_{\theta jc}$	0.28°C/W	
Weight		103g	



NOTE :

(1) Pulse Test: Pulse Width 300µsec, Duty < 2%



Figure .1- Typical Forward Characteristics

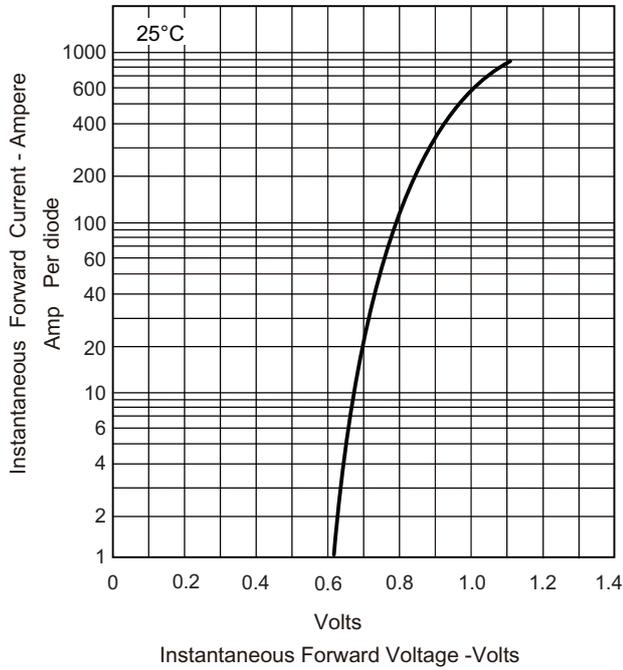


Figure .2-Forward Derating Curve

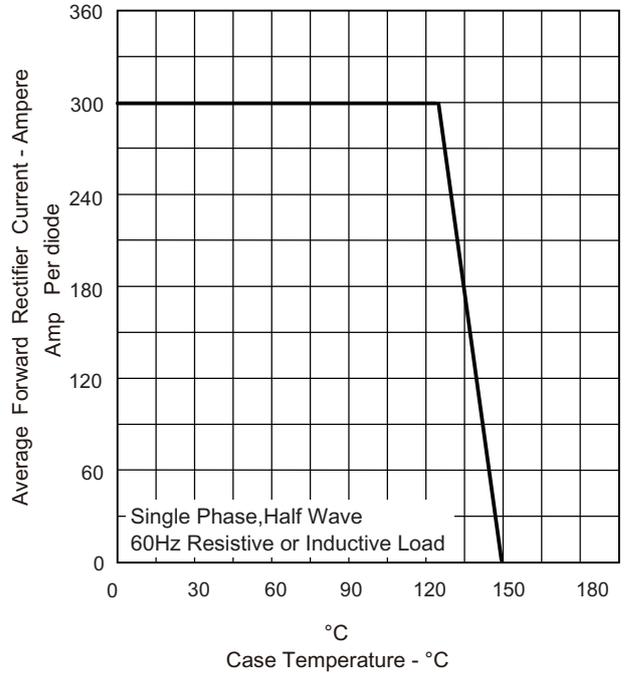


Figure .3-Peak Forward Surge Current

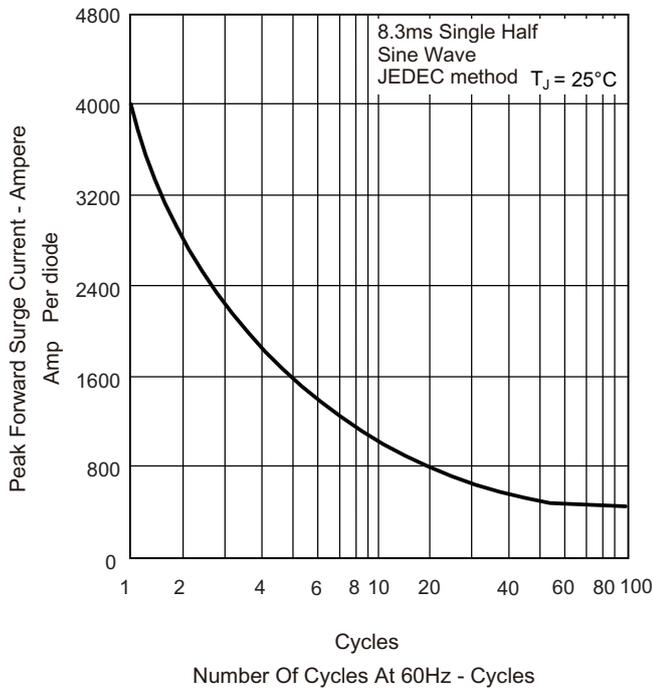
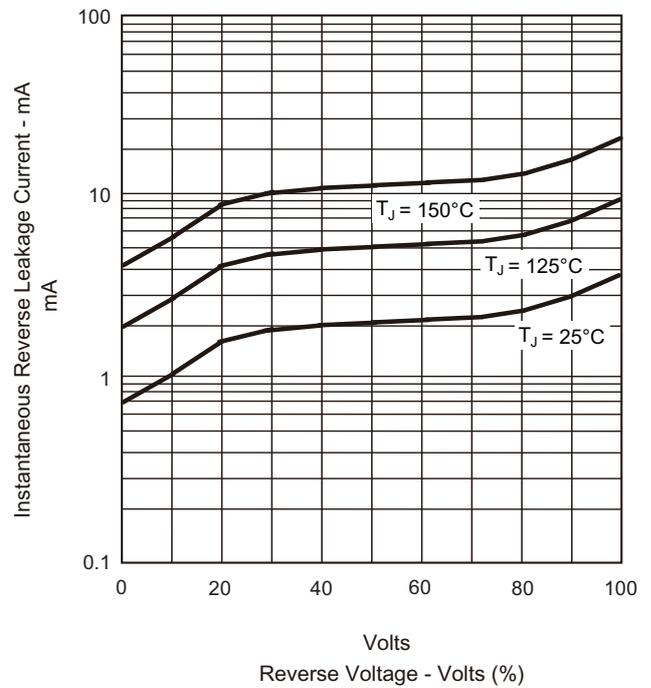


Figure .4-Typical Reverse Characteristics





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