



**SCHOTTKY DIODE MODULE TYPE  
200A / 150V**

**Features**

- High surge Capability
- Type 150V  $V_{RRM}$

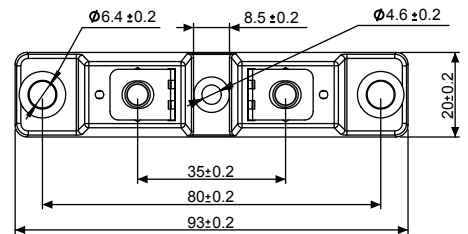
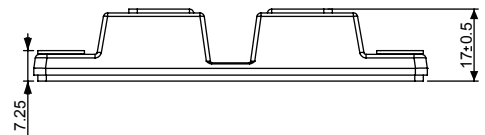
**Maximum Ratings**

- 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
MBR200150CT(R)	150V	105V	150V

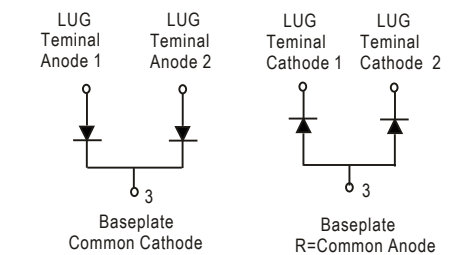


Dimensions in mm (1 mm = 0.0394")



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

Average Forward Current (Per pkg)	$I_{F(AV)}$	200A	$T_C = 125^\circ C$
Peak Forward Surge Current (Per leg)	$I_{FSM}$	1500A	8.3ms, half sine
Maximum Instantaneous Forward Voltage (Per leg) NOTE (1)	$V_F$	0.88V	$I_{FM} = 100A; T_J = 25^\circ C$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg) NOTE (1)	$I_R$	3mA 10mA 50mA	$T_J = 25^\circ C$ $T_J = 100^\circ C$ $T_J = 150^\circ C$
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.40°C/W	
Mounting torque		4 ± 0.5Nm 4 ± 0.5Nm	To heatsink To terminals



NOTE : (1) Pulse Test: Pulse Width 300  $\mu$  sec, Duty < 2%



Figure .1- Typical Forward Characteristics

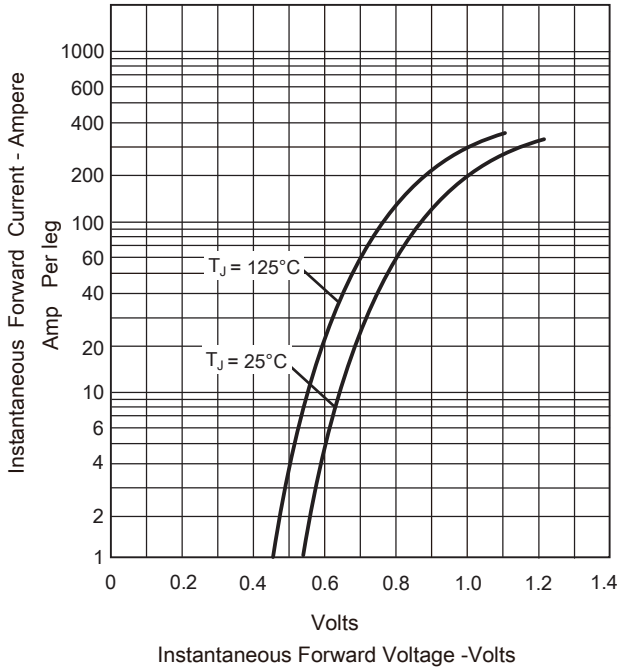


Figure .2-Forward Derating Curve

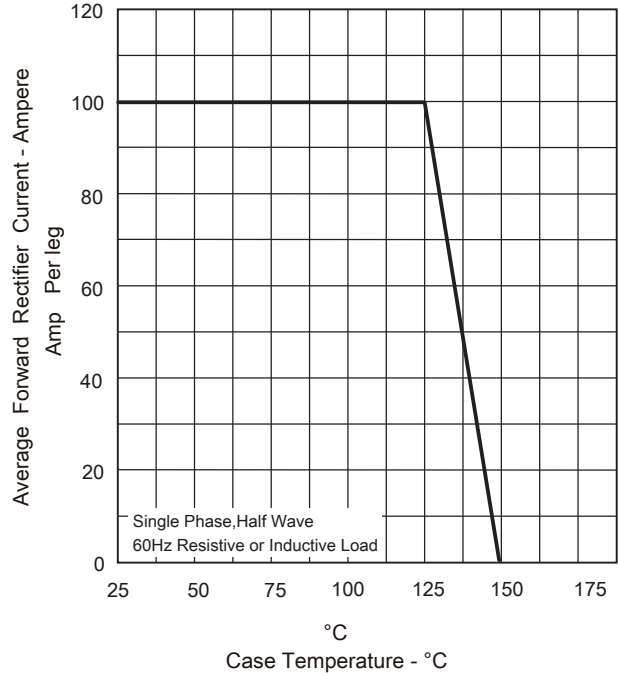


Figure .3- Peak Forward Surge Current

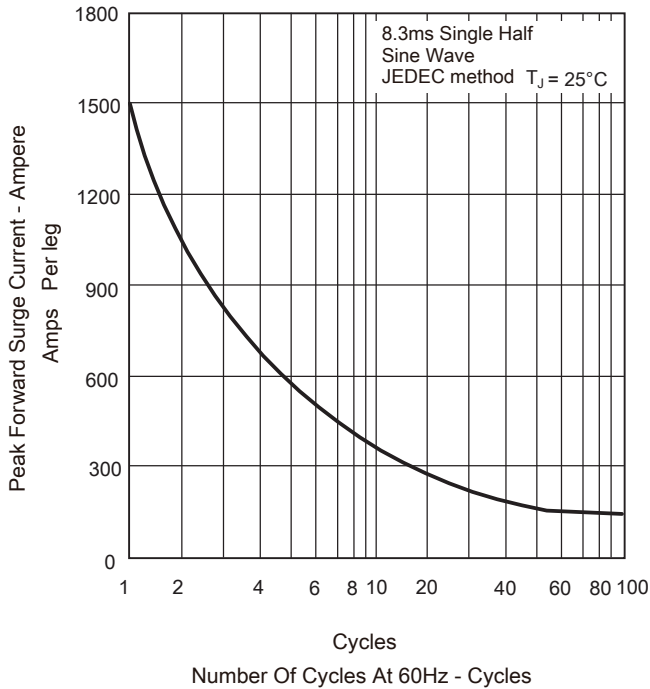
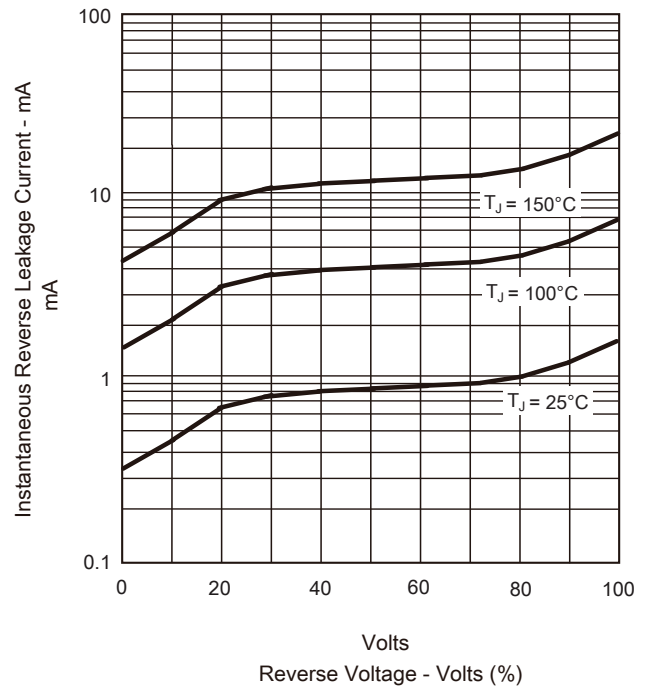


Figure .4-Typical Reverse Characteristics





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