



**SCHOTTKY DIODE MODULE TYPE  
240A / 200V**

**Features**

High surge Capability  
Type 200V  $V_{RRM}$

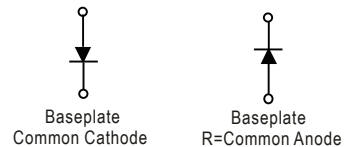
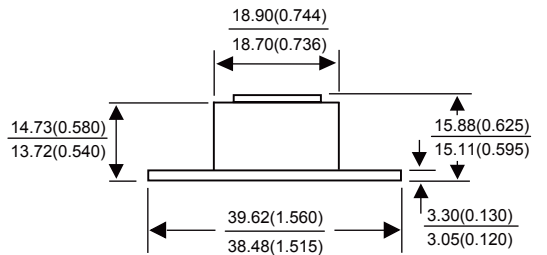
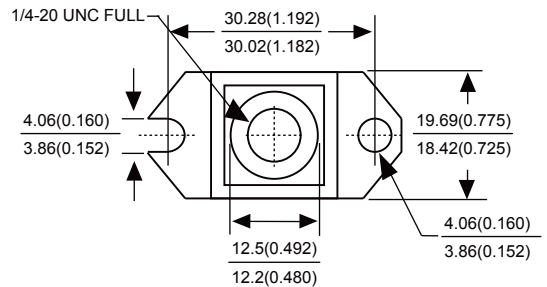
**Maximum Ratings**

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
MBRH241200(R)	200V	140V	200V

Dimensions in mm (1 mm = 0.0394")



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

Average Forward Current (Per pkg)	$I_{F(AV)}$	240A	$T_C = 125^\circ C$
Peak Forward Surge Current (Per leg)	$I_{FSM}$	3300A	8.3ms, half sine
Maximum Instantaneous Forward Voltage NOTE (1)	$V_F$	0.90V	$I_{FM} = 240A; T_J = 25^\circ C$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage 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)	$R_{\theta jc}$	0.30°C/W	

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



Figure.1 - Typical Forward Characteristics

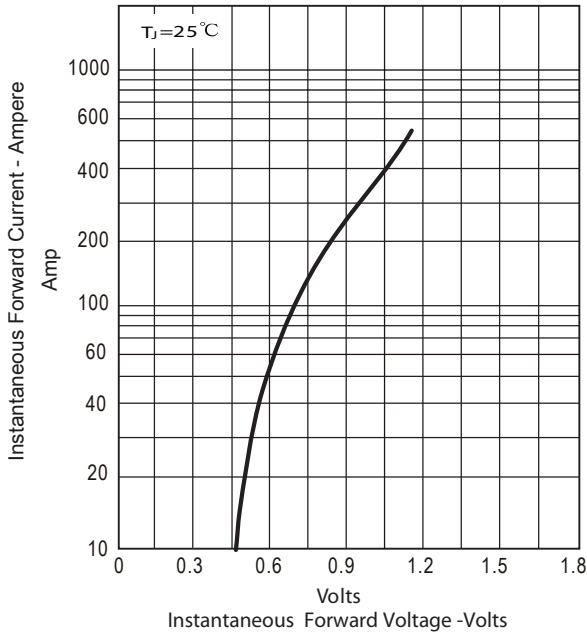


Figure.2 - Forward Derating Curve

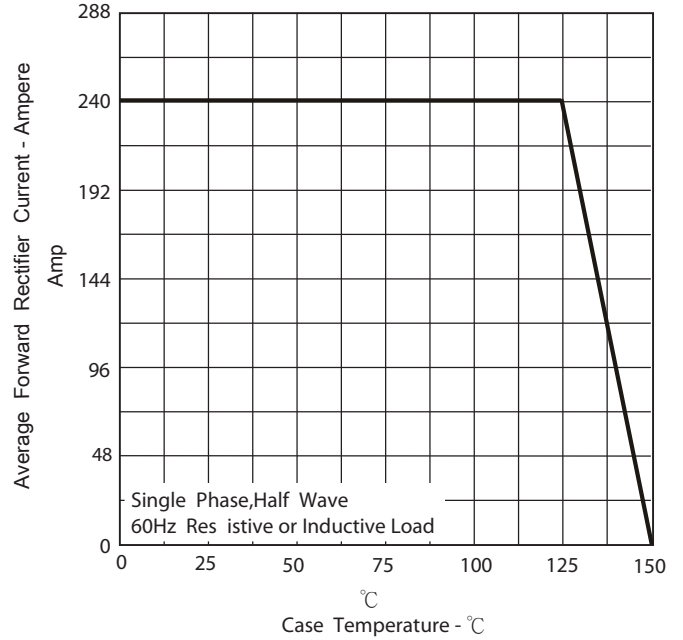


Figure.3 - Peak Forward Surge Current

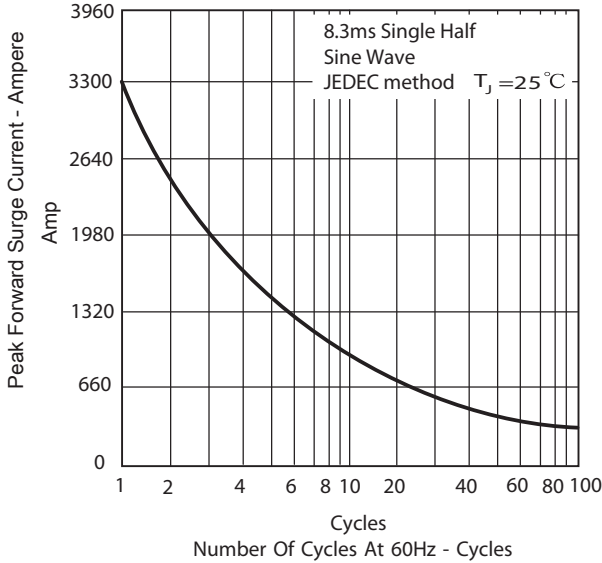
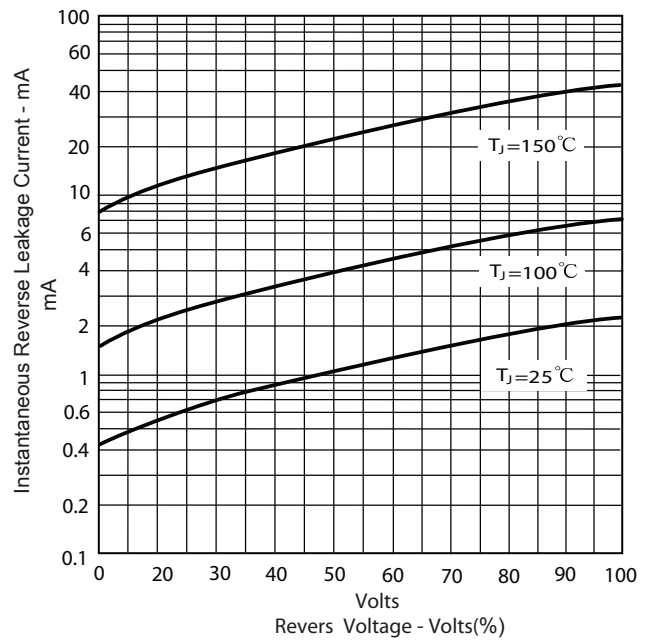


Figure.4 - Typical Reverse Characteristics





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