



SCHOTTKY DIODE MODULE TYPE 800A

Features

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

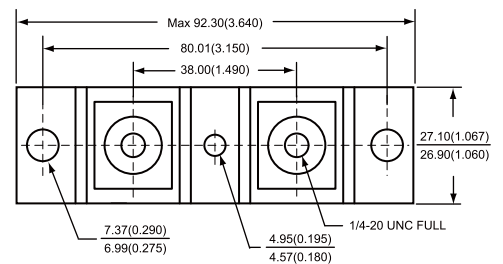


Maximum Ratings

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
MBRA801200CT(R)	200V	140V	200V

Dimensions in mm (1 mm = 0.0394")



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	800A	$T_C = 100^\circ C$
Peak Forward Surge Current (Per leg)	$I_{FSM}$	6200A	8.3ms, half sine
Maximum Instantaneous Forward Voltage (Per leg)	$V_F$	0.91V	$I_{FM}=400A; T_J=25^\circ C$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg)	$I_R$	5 mA 10 mA 80 mA	$T_J = 25^\circ C$ $T_J = 100^\circ C$ $T_J = 150^\circ C$
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.25°C/W	

NOTE :

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

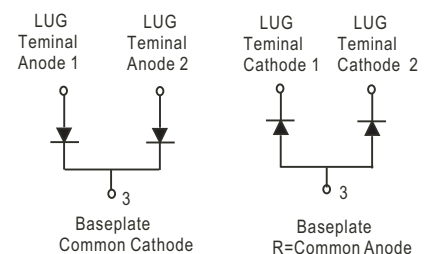
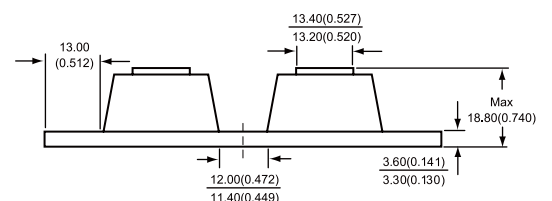




Figure.1-Typical Forward Characteristics

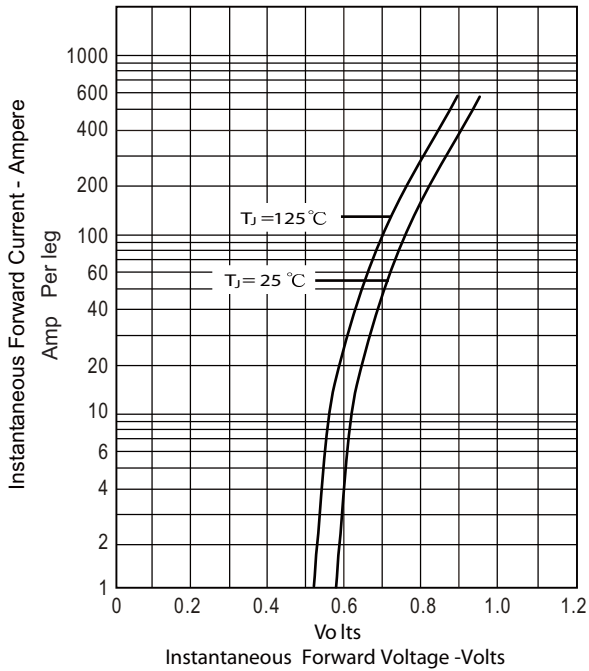


Figure.2-Forward Derating Curve

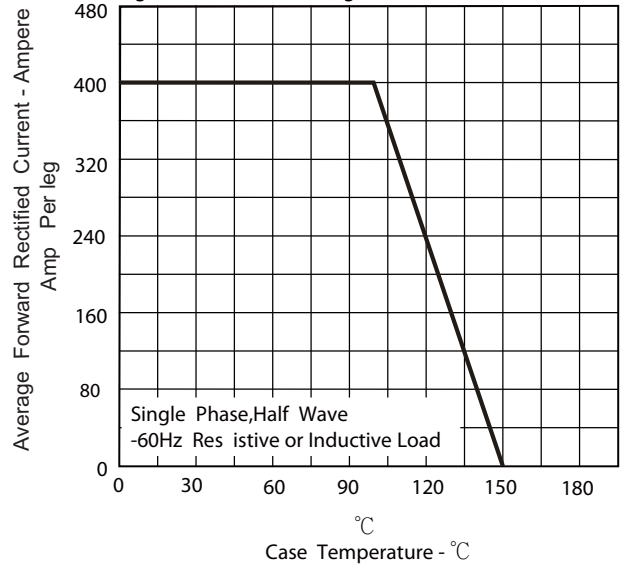


Figure.3-Peak Forward Surge Current

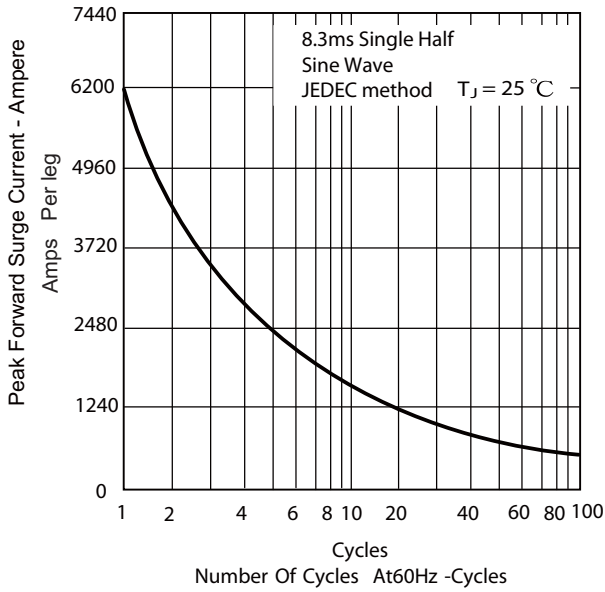


Figure.4-Typical Reverse Characteristics

