



SCHOTTKY DIODE MODULE TYPE 800A

Features

- High Surge Capability
- Type 100V V_{RRM}
- Isolation Type Package
- Electrically Isolation base plate



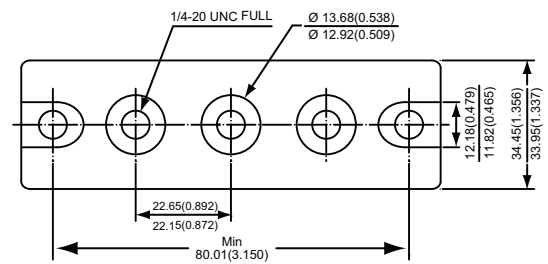
Maximum Ratings

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

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

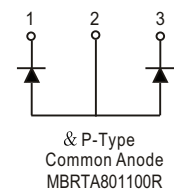
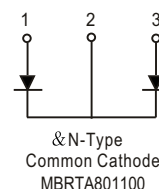
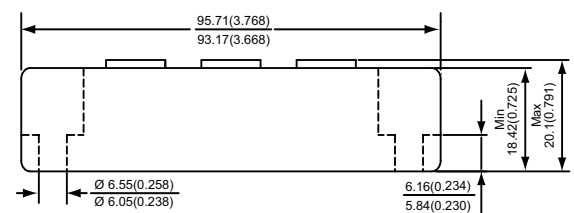
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRTA801100(R)	100V	70V	100V

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	0.82V	$I_{FM} = 400A$; $T_J = 25^\circ C$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage* (Per leg)	I_R	1mA 10mA 50mA	$T_J = 25^\circ C$ $T_J = 100^\circ C$ $T_J = 150^\circ C$
Isolation Voltage	V_{isol}	3000 V	A.C. 1minute
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.25°C/W	



*Pulse Test: Pulse Width 300 μ sec, Duty Cycle 2%



Figure.1-Typical Forward Characteristics

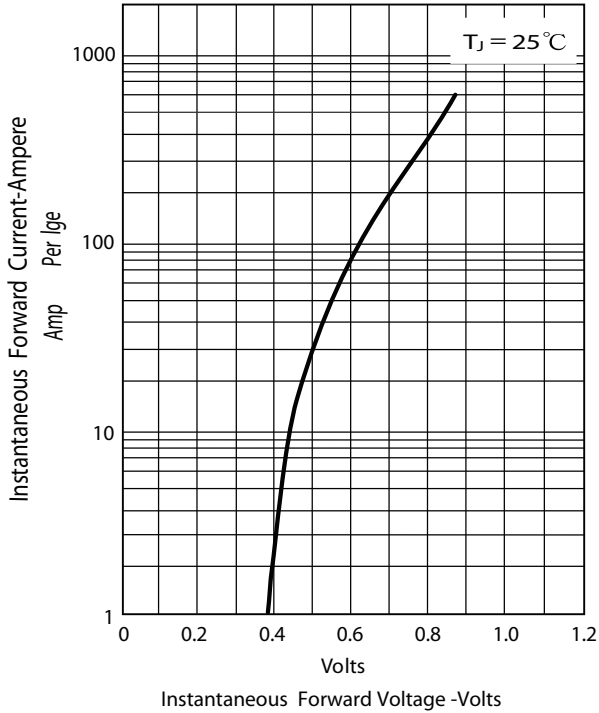


Figure.2-Forward Derating Curve

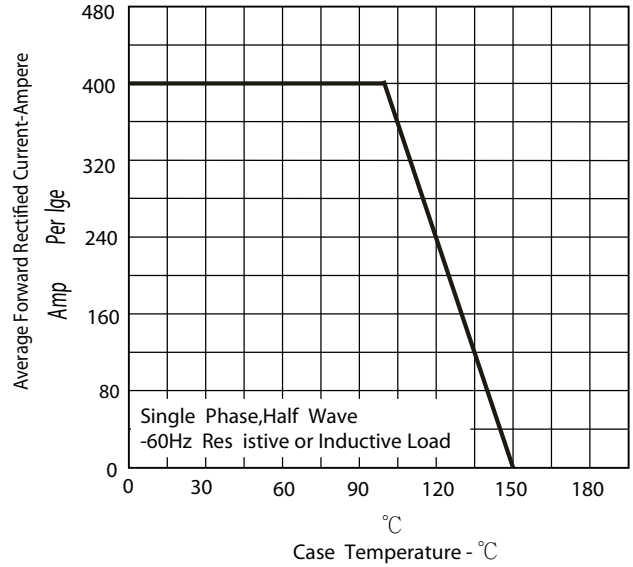


Figure.3-Peak Forward Surge Current

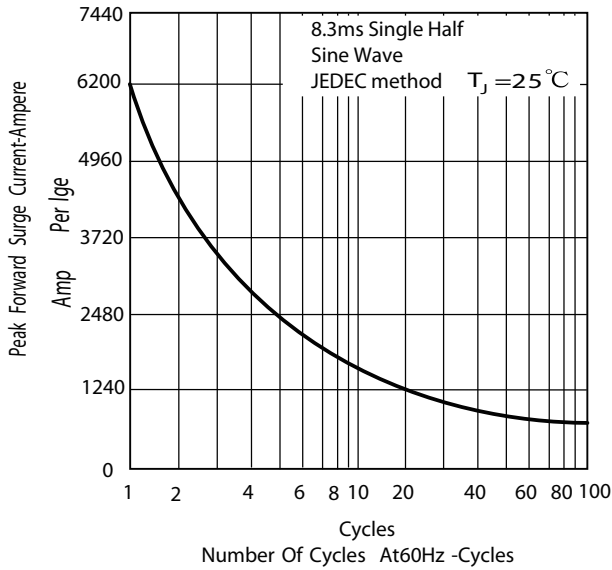


Figure.4-Typical Reverse Characteristics

