



SCHOTTKY DIODE MODULE TYPE 600A

Features

- High Surge Capability
- Type 200V V_{RRM}
- Isolation Type Package
- Electrically Isolation base plate

HEAVY THREE TOWER

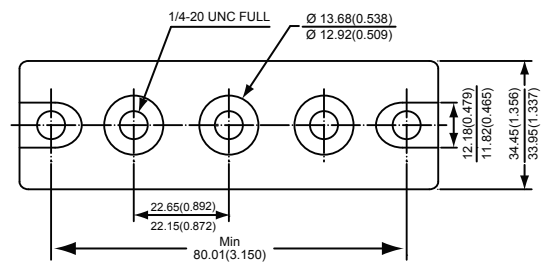


Maximum Ratings

- Operating Temperature : -55°C to $+150^{\circ}\text{C}$
- Storage Temperature : -55°C to $+150^{\circ}\text{C}$

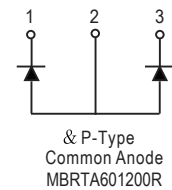
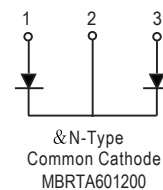
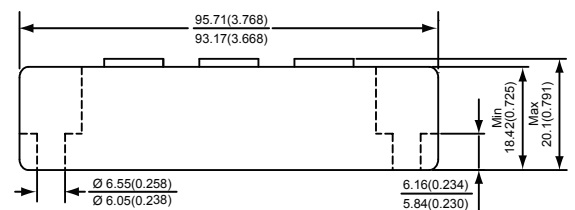
Dimensions in mm (1 mm = 0.0394")

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRTA601200(R)	200V	140V	200V



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	600A	$T_C = 100^{\circ}\text{C}$
Peak Forward Surge Current (Per leg)	I_{FSM}	4800A	8.3ms , half sine
Maximum Instantaneous Forward Voltage* (Per leg)	V_F	0.90V	$I_{FM}=300\text{A}; T_J = 25^{\circ}\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per leg)	I_R	6mA 10mA 50mA	$T_J = 25^{\circ}\text{C}$ $T_J = 100^{\circ}\text{C}$ $T_J = 150^{\circ}\text{C}$
Isolation Voltage	V_{iso}	3000V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.28 $^{\circ}\text{C}/\text{W}$	



*Pulse Test: Pulse Width 300 μsec , Duty Cycle 2%



Figure .1- Typical Forward Characteristics

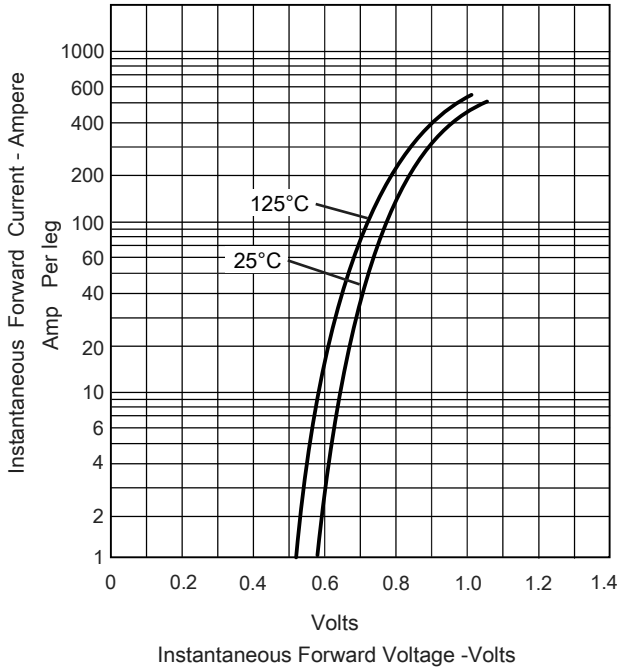


Figure .2-Forward Derating Curve

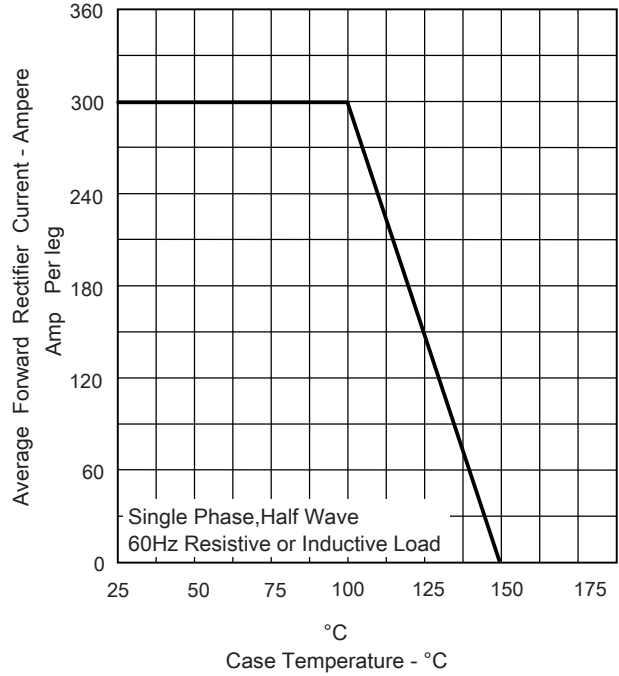


Figure .3- Peak Forward Surge Current

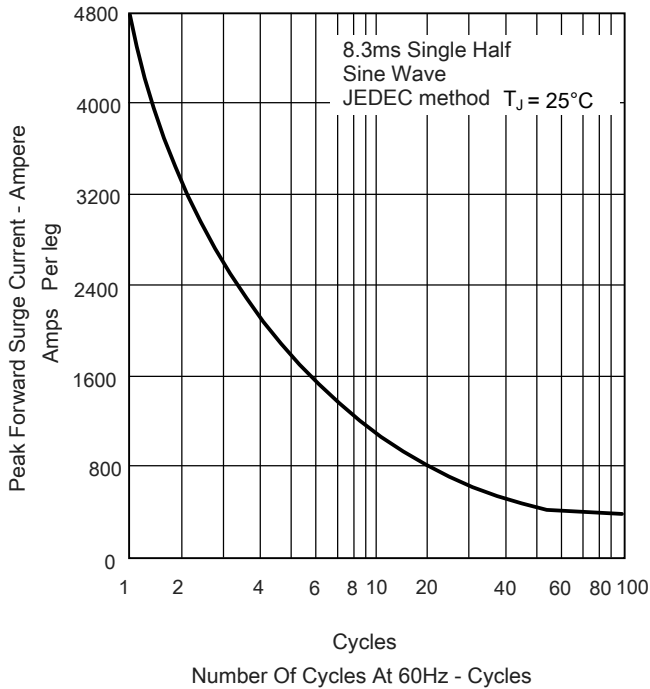


Figure .4-Typical Reverse Characteristics

