



SCHOTTKY DIODE MODULE TYPE 600A

Features

High surge Capability
Type 200V V_{RRM}

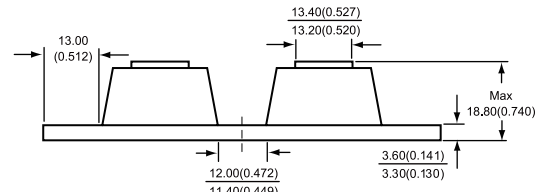
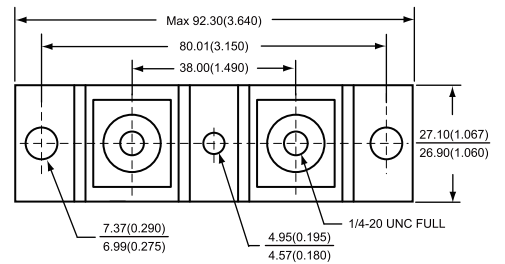


Maximum Ratings

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

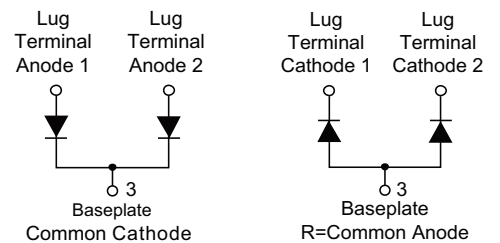
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRA601200CT(R)	200V	140V	200V

Dimensions in mm (1 mm = 0.0394")



Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	600A	$T_c = 125^\circ\text{C}$
Peak Forward Surge Current (Per leg)	I_{FSM}	4800A	8.3ms , half sine
Maximum Instantaneous Forward Voltage* (Per leg)	V_F	0.90V	$I_{FM}=300A;$ $T_J = 25^\circ\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per leg)	I_R	4mA 10mA 50mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$ $T_J = 150^\circ\text{C}$
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.28°C/W	



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



Figure .1- Typical Forward Characteristics

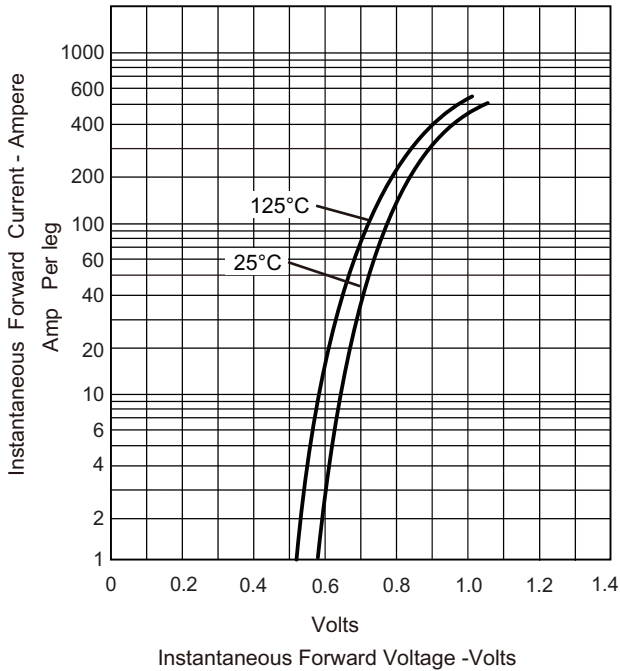


Figure .2-Forward Derating Curve

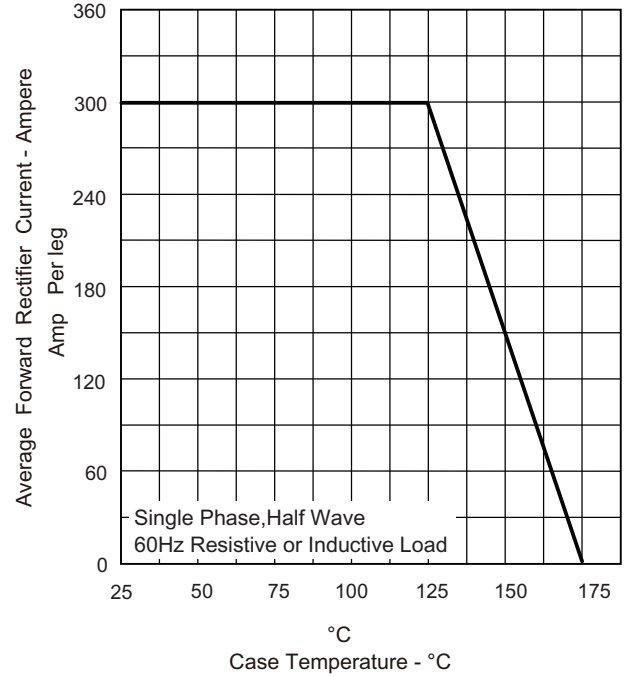


Figure .3-Peak Forward Surge Current

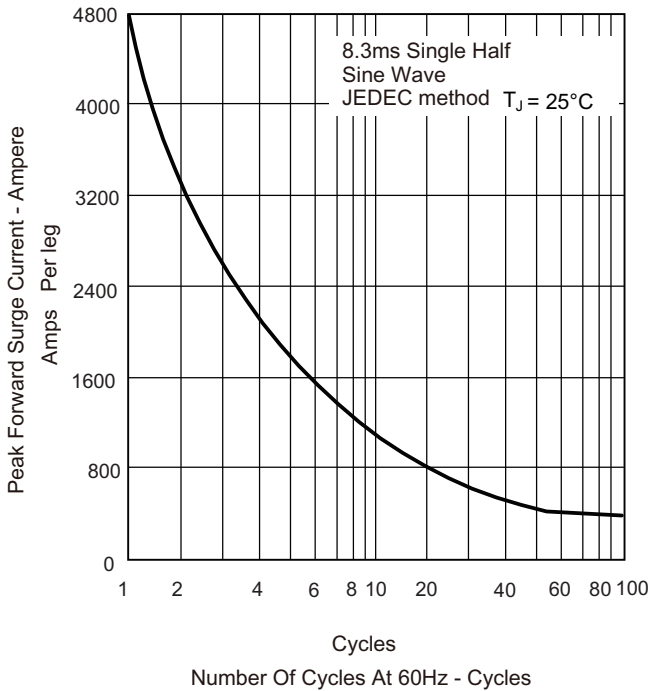


Figure .4-Typical Reverse Characteristics

