



**SCHOTTKY DIODE MODULE TYPE
600A / 200V**

Features

High Surge Capability
Type 200V V_{RRM}

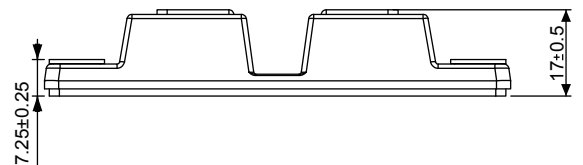
Maximum Ratings

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



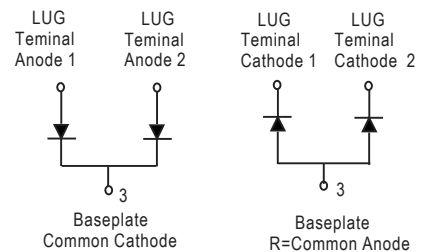
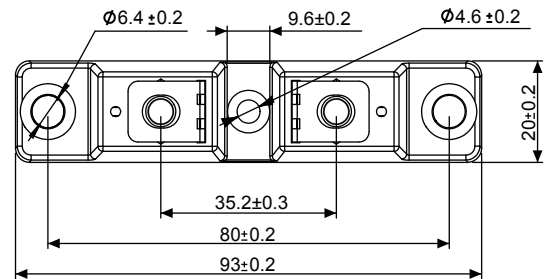
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRQ601200CT(R)	200V	140V	200V

Dimensions in mm (1 mm = 0.0394")



Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	600A	$T_C = 125^\circ C$
Peak Forward Surge Current (Per diode)	I_{FSM}	5200A	8.3ms , half sine
Maximum Instantaneous Forward Voltage* (Per diode)	V_F	0.90V	$I_{FM}=300A; T_J = 25^\circ C$
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	I_R	5mA 20mA 50mA	$T_J = 25^\circ C$ $T_J = 125^\circ C$ $T_J = 150^\circ C$
Maximum Thermal Resistance Junction To Case (Per diode)	$R_{\theta jc}$	0.13°C/W	
Mounting torque		4 ± 0.5Nm 4 ± 0.5Nm	To heatsink To terminals
Weight		74.5g	



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



Figure.1 - Typical Forward Characteristics

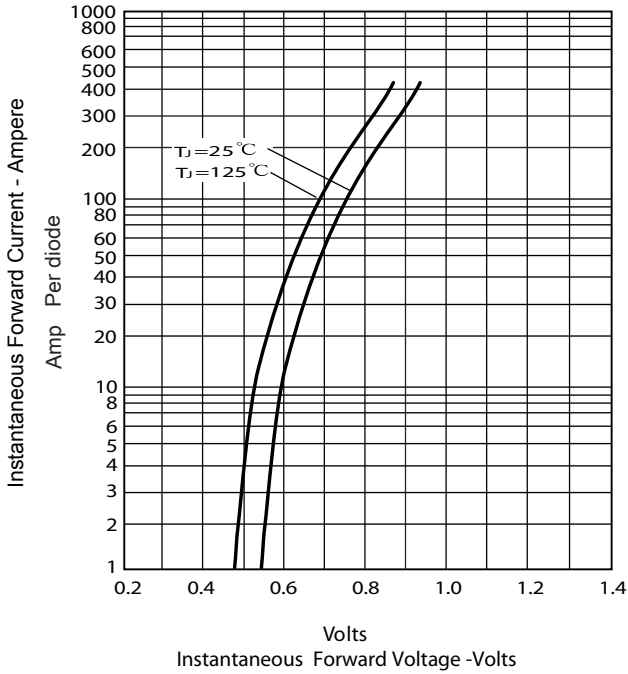


Figure.2 - Forward Derating Curve

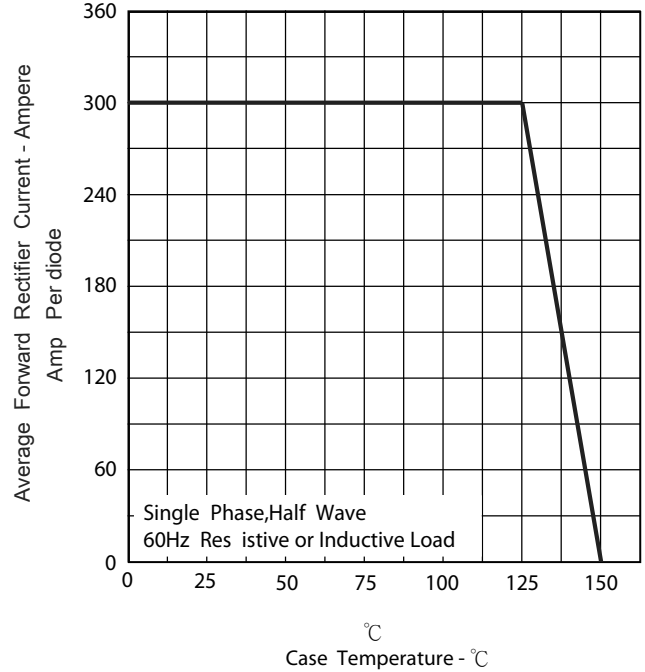


Figure.3 - Peak Forward Surge Current

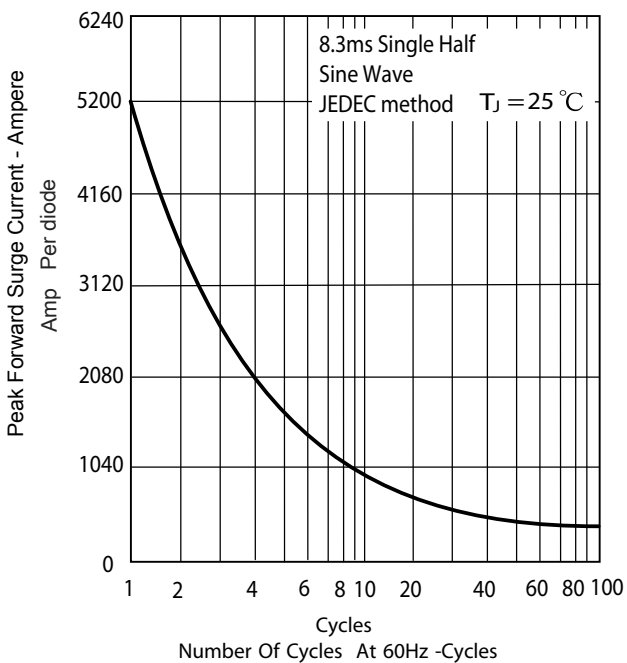
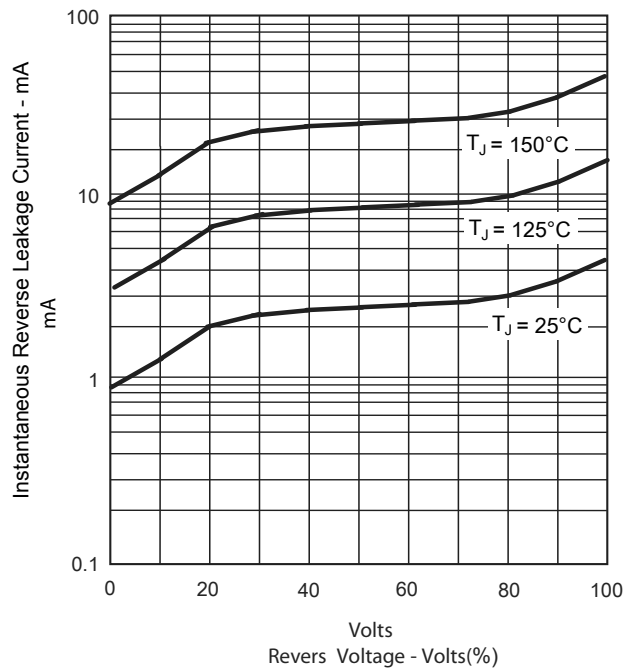


Figure.4 - Typical Reverse Characteristics





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