## MBRQ400100CT(R)

# SCHOTTKY DIODE MODULE TYPE 400A / 100V

#### **Features**

High Surge Capability
Type 100V VRRM

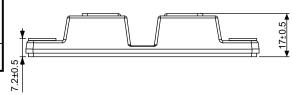
## **Maximum Ratings**

Junction 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
MBRQ400100CT(R)	100V	70V	100V



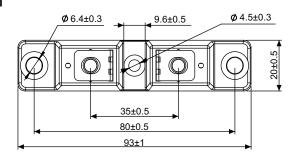
Dimensions in mm (1 mm = 0.0394")

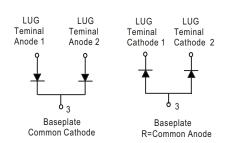


# Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

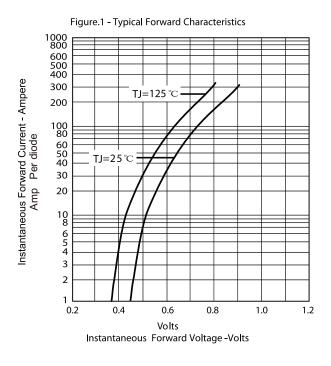
Average Forward Current (Per pkg)	<b> </b> F(AV)	400A	TC=125°C
Peak Forward Surge Current (Per diode)	lгsм	3000A	8.3ms, half sine
Maximum (Per diode) Instantaneous Forward Voltage*	V <sub>F</sub>	0.84V 0.74V	IFM=200A;TJ=25°C IFM=200A;TJ=125°C
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage* (Per diode)	I <sub>R</sub>	1mA 10mA 50mA	TJ= 25 ℃ TJ=100 ℃ TJ=150 ℃
Maximum Thermal Resistance Junction To Case (Per diode)	Røjc	0.15°C/W	
Mounting torque			To heatsink To terminals

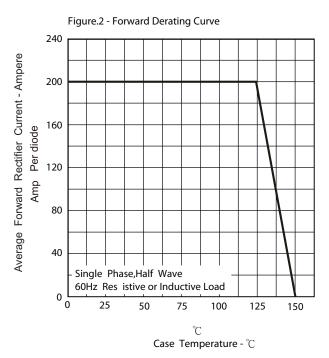
<sup>\*</sup>Pulse Test: Pulse Width 300  $\mu$  sec, Duty Cycle < 2%

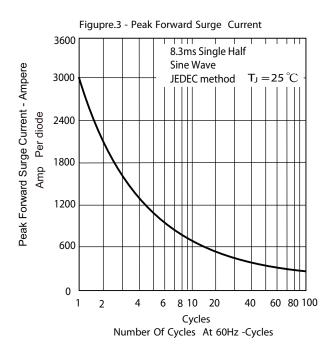


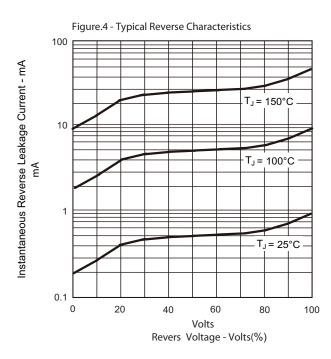


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