MBRQ600100CT(R)

SCHOTTKY DIODE MODULE TYPE 600A / 100V

Features

High Surge Capability
Type 100V VRRM

Maximum Ratings

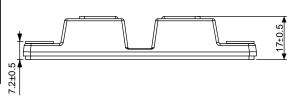
Junction Operating Temperature : -55 $^{\circ}\text{C}$ to+150 $^{\circ}\text{C}$

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

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRQ600100CT(R)	100V	70V	100V



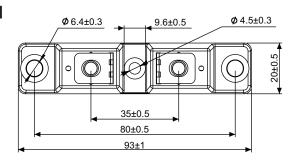
Dimensions in mm (1 mm = 0.0394")

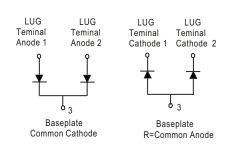


Electrical Characteristics @ 25 $^{\circ}$ Unless Otherwise Specified

Average Forward Current (Per pkg)	 F(AV)	600A	Tc =125°C
Peak Forward Surge Current (Per diode)	İFSM	4000A	8.3ms, half sine
Maximum (Per diode) Instantaneous Forward Voltage*	V _F	0.84V	lFM=300A;TJ=25℃
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage* (Per diode)	I _R	1mA 10mA 50mA	TJ= 25 °C TJ = 100 °C TJ = 150 °C
Maximum Thermal Resistance Junction To Case (Per diode)	Røjc	0.28°C/W	
Mounting torque		4 ± 0.5Nm 4 ± 0.5Nm	To heatsink To terminals

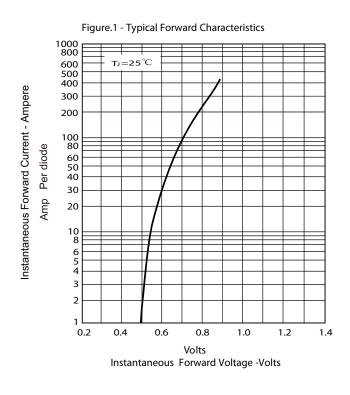
^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle < 2%

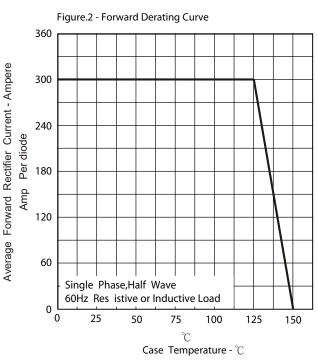


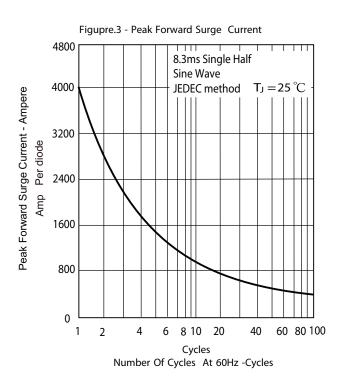


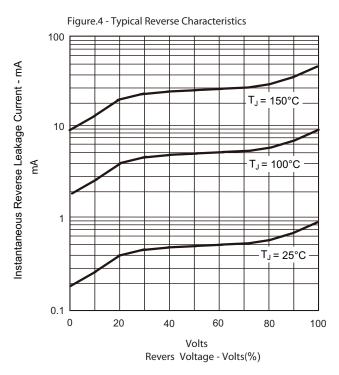


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