# MURT20020(R) THRU MURT200A60(R)

## SUPER FAST DIODE MODULE TYPES 200A

#### **Features**

High Surge Capability
Types up to 600V V<sub>RRM</sub>
Isolation Type Package
Electrically Isolation base plate

## **Maximum Ratings**

Junction Operating Temperature : -55 °C to+175 °C

Storage Temperature : -55 °C to+175 °C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURT20020(R)	200V	140V	200V
MURT20040(R)	400V	280V	400V
MURT200A60(R)	600V	420V	600V

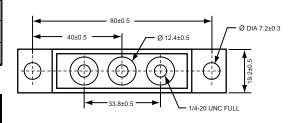
#### Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

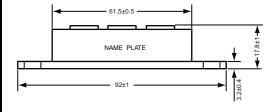
Average Forward Current (Per pkg)	lf(AV)	200A	Tc = 140°C
Peak Forward Surge Current (Per diode)	lгsм	2000A	8.3ms , half sine
Maximum 200V Instantaneous 400V Forward Voltage * 600V (Per diode)	VF	1.00V 1.30V 1.45V	IFM=100A; T <sub>J</sub> = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	lr	25 μA 1 mA	T <sub>J</sub> = 25°C T <sub>J</sub> = 125°C
Maximum 200V Reverse 400V Recovery 600V Time (Per diode)	Trr	75ns 90ns 110ns	IF = 0.5A, IR=1.0A, IRR=0.25A
Isolation Voltage	Visol	2500 V	A.C. 1minute
Maximum Thermal Resistance Junction To Case (Per diode)	Røjc	0.45°C/W	
Weight		103g	

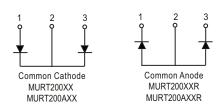
<sup>\*</sup>Pulse Test: Pulse Width 300  $\mu$ sec, Duty Cycle < 2%

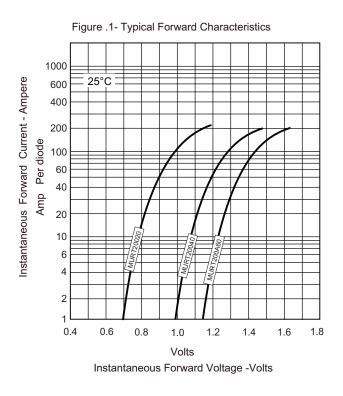


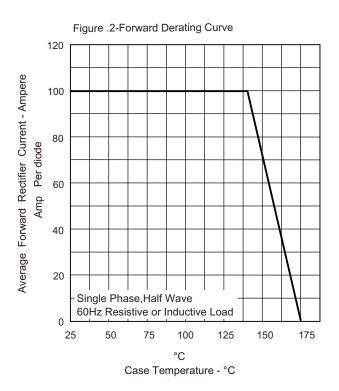
Dimensions in mm (1 mm = 0.0394")

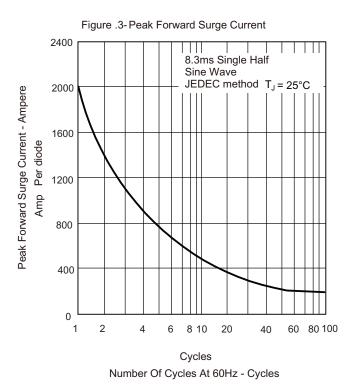


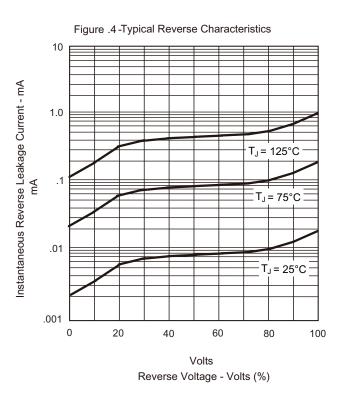














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