# MURTT10040(A)(R)

### SUPER FAST DIODE MODULE TYPE 100A

### **Features**

High Surge Capability
Type 400V V<sub>RRM</sub>
Isolation Type Package
Electrically Isolation base plate

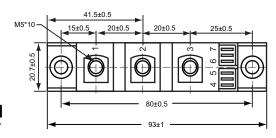
### **Maximum Ratings**

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
MURTT10040(A)(R)	400V	280V	400V

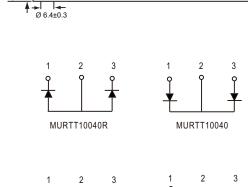
# TO-240AA

Dimensions in mm (1 mm = 0.0394")



## Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current (Per pkg)	lf(AV)	100A	Tc = 140°C
Peak Forward Surge Current (Per diode)	İFSM	1300A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage *	VF	1.3V	Iғм=50А;Т <sub>Ј</sub> = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	lr	25µA 2mA	T <sub>J</sub> = 25°C T <sub>J</sub> = 125°C
Maximum Reverse Recovery Tlme (Per diode)	Trr	75ns	IF = 0.5A,IR = 1.0A IRR = 0.25A
Isolation Voltage	Viso	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	Røjc	1.0°C/W	
Mounting torque		4 ± 0.5Nm 3 ± 0.5Nm	



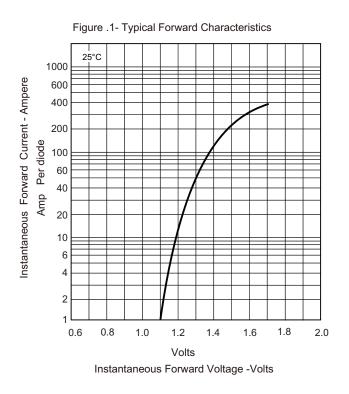
NAME PLATE

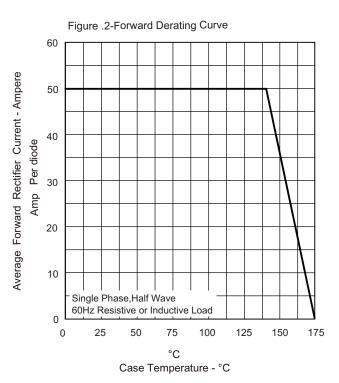


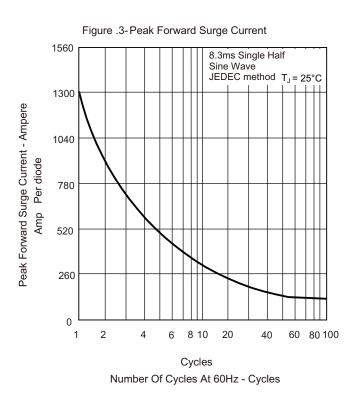
<sup>\*</sup>Pulse Test: Pulse Width 300  $\mu$ sec, Duty Cycle < 2%

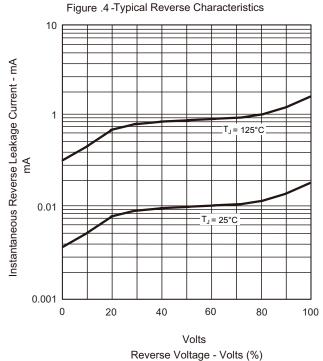


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