

MURT40020(R) THRU MURT400A60(R)

SUPER FAST DIODE MODULE TYPES 400A / 200-600V

Features

High Surge Capability
Types up to 600V V_{RRM}
Isolation Type Package
Electrically Isolation base plate



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
MURT40020(R)	200V	140V	200V
MURT40040(R)	400V	280V	400V
MURT400A60(R)	600V	420V	600V

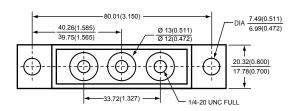
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

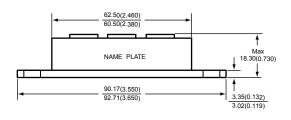
Average Forward Current (Per pkg)	lf(AV)	400A	Tc = 125°C
Peak Forward Surge Current (Per leg)	lгsм	3300A	8.3ms , half sine
Maximum 200V Instantaneous 400V Forward Voltage * 600V (Per leg)	VF	1.00V 1.35V 1.45V	IFM=200A; TJ = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per leg)	lr	25 μA 3 m _Å	T _J = 25°C T _J = 125°C
Maximum 200V Reverse 400V Recovery 600V Time (Per leg)	Trr	150ns 180ns 240ns	IF = 0.5A, IR=1.0A, IRR=0.25A
Isolation Voltage	Visol	2500 V	A.C. 1minute
Maximum Thermal Resistance Junction To Case (Per leg)	Røjc	0.35°C/W	
Weight		103g	

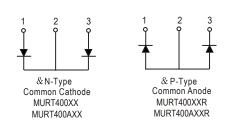
*Pulse Test: Pulse Width 300 µsec, Duty Cycle 2%

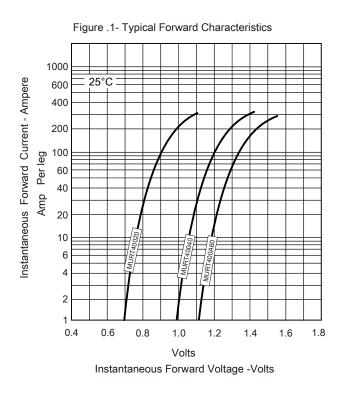


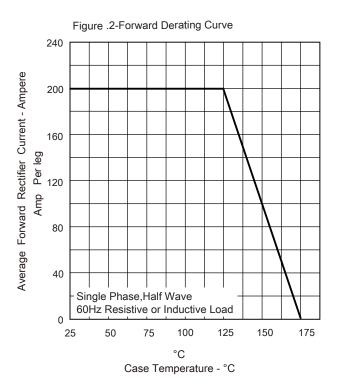
Dimensions in mm (1 mm = 0.0394")

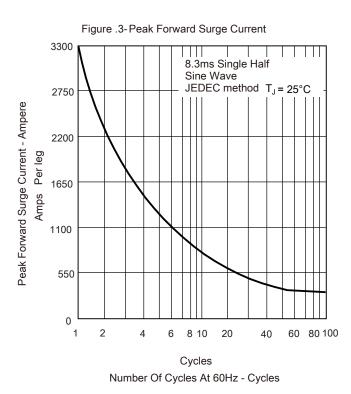


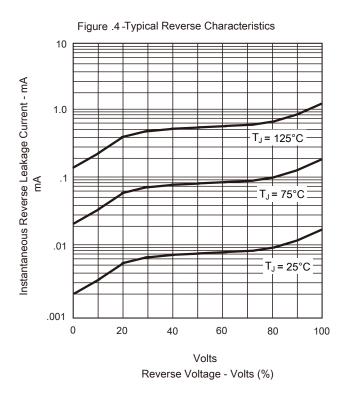












Nov. 2019

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