

MURTA50020(R)

THRU

MURTA500A60(R)

SUPER FAST DIODE MODULE TYPES 500A / 200-600V

Features

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

Maximum Ratings

Operating Temperature : -55 $^{\circ}$ C to+175 $^{\circ}$ C Storage Temperature : -55 $^{\circ}$ C to+175 $^{\circ}$ C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURTA50020(R)	200V	140V	200V
MURTA50040(R)	400V	280V	400V
MURTA500A60(R)	600V	420V	600V

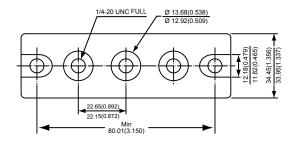
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

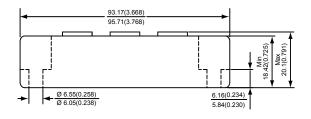
Average Forward Current (Per pkg)	l f(AV)	500A	T _C = 100 °C
Peak Forward Surge Current (Per leg)	I FSM	3800A	8.3ms , half sine
Maximum 200V Instantaneous 400V Forward Voltage * 600V (Per leg)	V _F	1.00V 1.30V 1.45V	$I_{FM} = 250A;$ $T_J = 25 ^{\circ}C$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage* (Per leg)	I _R	25 μ A 5 mA	$T_J = 25 ^{\circ}\text{C}$ $T_J = 125 ^{\circ}\text{C}$
Maximum Reverse 200~400V Recovery 600V Time (Per leg)	Trr	200ns 250ns	I _F =0.5A, I _R =1.0A, I _{RR} =0.25A
Isolation Voltage	Visol	3000 V	A.C. 1minute
Maximum Thermal Resistance Junction To Case (Per leg)	Røjc	0.30°C/W	
Weight		193g	

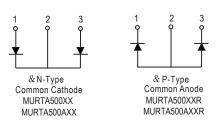
^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle 2%

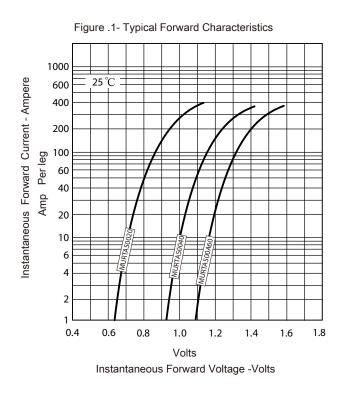


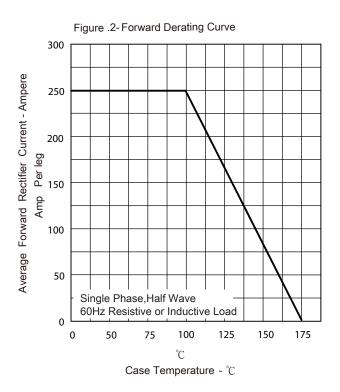
Dimensions in mm (1 mm = 0.0394")

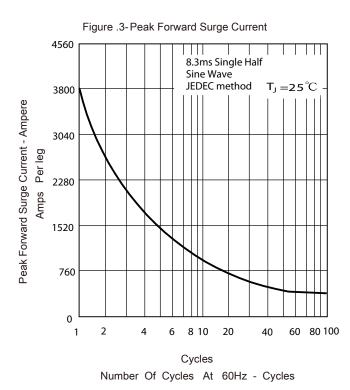


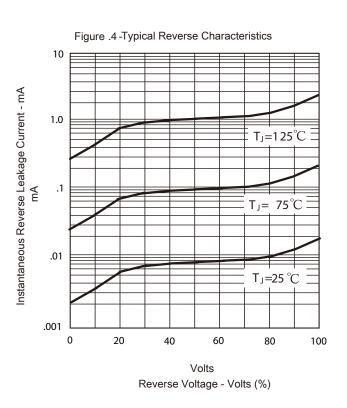












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