MSRTT40060(A)(R) THRU MSRTT400160(A)(R)

HIGH POWER DIODE MODULE TYPES 400A

Features

High Surge Capability
Types up to 1600V V_{RRM}
Isolation Type Package
Electrically Isolation base plate

Maximum Ratings

Junction Operating Temperature : -40°C to +175°C

Storage Temperature : -40°C to +175°C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MSRTT40060(A)(R)	600V	420V	600V
MSRTT40080(A)(R)	800V	560V	800V
MSRTT400100(A)(R)	1000V	700V	1000V
MSRTT400120(A)(R)	1200V	840V	1200V
MSRTT400140(A)(R)	1400V	980V	1400V
MSRTT400160(A)(R)	1600V	1120V	1600V

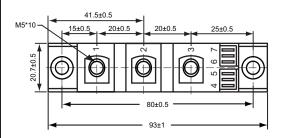
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

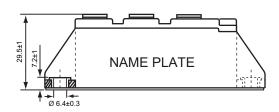
Average Forward Current (Per pkg)	lf(AV)	400A	Tc = 125°C
Peak Forward Surge Current (Per diode)	İFSM	3000A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage *	VF	1.10V	IFM=200A;ТJ = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	lr	10 <i>μ</i> A 5mA	T _J = 25°C T _J = 150°C
Isolation Voltage	Visol	2500V	A.C. 1minute
Maximum Thermal Resistance Junction To Case (Per diode)	R ₀ j c	0.35°C/W	
Mounting torque		5 ± 0.5Nm 3 ± 0.5Nm	to heatsink to terminals

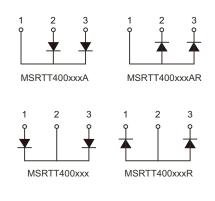
^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle < 2%



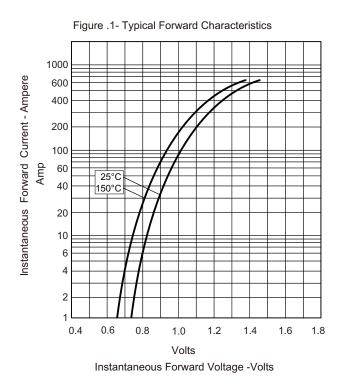
Dimensions in mm (1 mm = 0.0394")

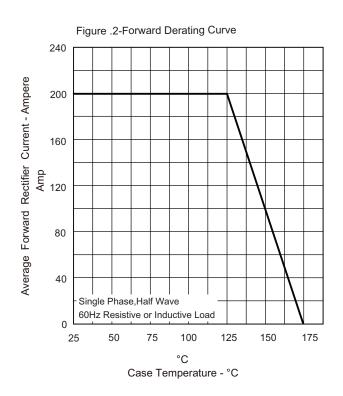


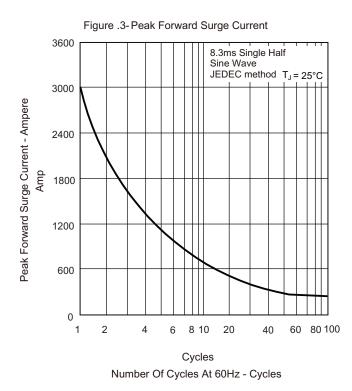


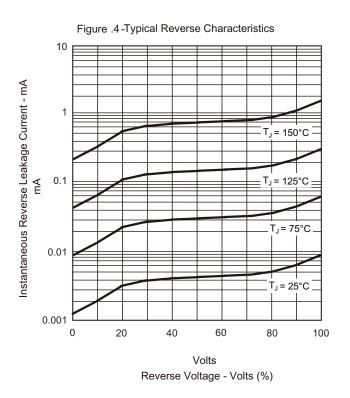


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