

MSRTTA20060(A)D(R)
THRU
MSRTTA200160(A)D(R)

HIGH POWER DIODE MODULE TYPES 200A / 600-1600V

### **Features**

High Surge Capability
Types up to 1600V V<sub>RRM</sub>
Isolation Type Package
Electrically Isolation base plate

# **Maximum Ratings**

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
MSRTTA20060(A)D(R)	600V	420V	600V
MSRTTA20080(A)D(R)	800V	560V	800V
MSRTTA200100(A)D(R)	1000V	700V	1000V
MSRTTA200120(A)D(R)	1200V	840V	1200V
MSRTTA200140(A)D(R)	1400V	980V	1400V
MSRTTA200160(A)D(R)	1600V	1120V	1600V

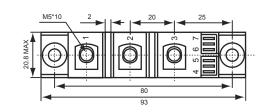
## Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

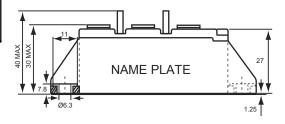
Average Forward Current (Per leg)	lf(AV)	200A	Tc = 125°C
Peak Forward Surge Current (Per leg)	lгsм	3000A	8.3ms , half sine
Maximum (Per leg) Instantaneous Forward Voltage *	VF	1.10V	IFM=200A;ТJ = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per leg)	lr	10 <i>μ</i> A 5mA	T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

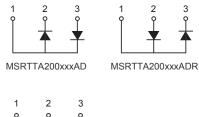
<sup>\*</sup>Pulse Test: Pulse Width 300  $\mu$  sec, Duty Cycle 2%



Dimensions in mm (1 mm = 0.0394")

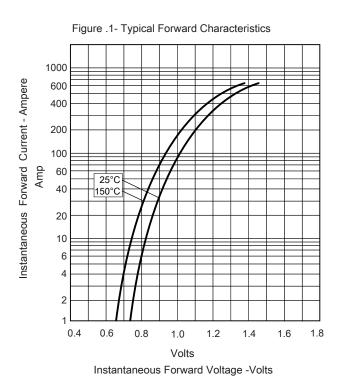


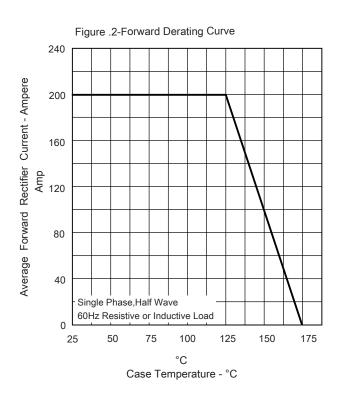


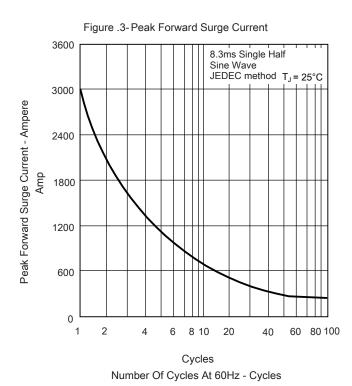


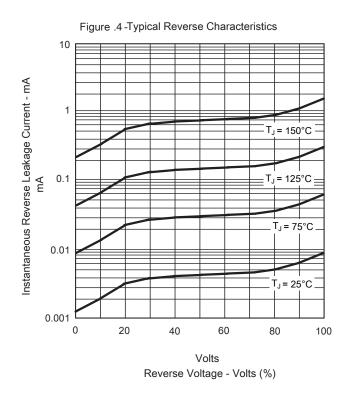


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