## SCHOTTKY DIODE MODULE TYPE 300A

#### **Features**

High Surge Capability Type 100V V<sub>RRM</sub> Isolation Type Package Electrically Isolation Base Plate

### **Maximum Ratings**

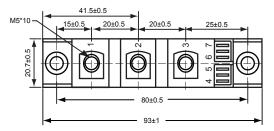
Junction Operating Temperature: -55°C to +150°C

Storage Temperature : -55°C to +150°C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRTT300100(A)(D)(R)	100V	70V	100V



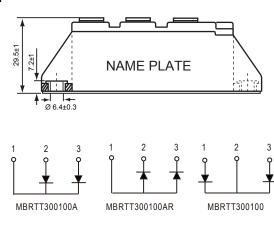
Dimensions in mm (1mm = 0.0394")



#### Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward (Per pkg) Current (Per diode)	I <sub>F(AV)</sub>	300A 150A	Tc=125°C
Peak Forward Surge Current (Per diode)	lгsм	2000A	8.3ms, half sine
Maximum (Per diode) Instantaneous Forward Voltage*	VF	0.76V 0.86V	IFM =150A;TJ =125°C IFM =150A;TJ =25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	lπ	1mA 8mA 15mA	T <sub>J</sub> =25°C T <sub>J</sub> =125°C T <sub>J</sub> =150°C
Isolation Voltage	Viso	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	Røjc	0.40°C/W	
Mounting Torque		4 ± 0.5Nm 3 ± 0.5Nm	to heatsink to terminals

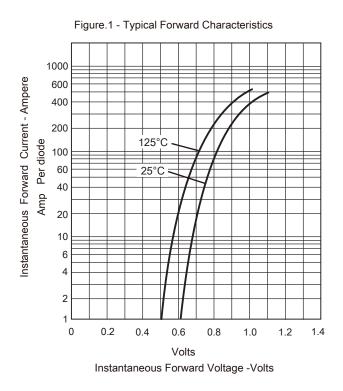
<sup>\*</sup>Pulse Test: Pulse Width 300  $\mu$  sec, Duty Cycle < 2%

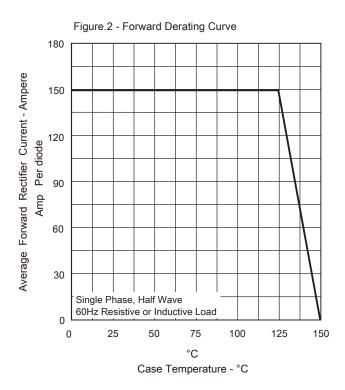


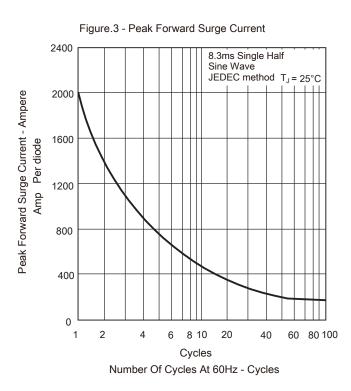


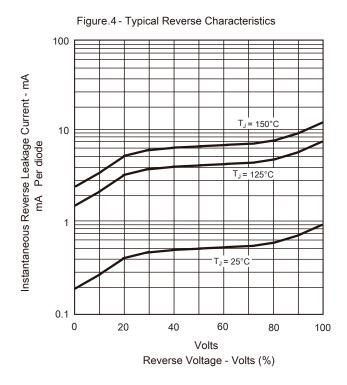
MBRTT300100ADR

# MBRTT300100(A)(D)(R)











## MBRTT300100(A)(D)(R)

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