SCHOTTKY DIODE MODULE TYPE 600A

Features

High Surge Capability Type 100V V_{RRM} 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
MBRTT600100(A)(D)(R)	100V	70V	100V

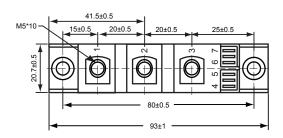
Electrical Characteristics @ 25 °C Unless Otherwise Specified

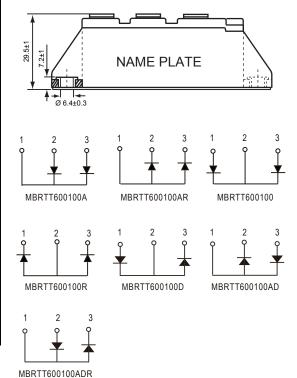
Average Forward (Per pkg) Current (Per diode)	IF(AV)	600A 300A	Tc =125°C
Peak Forward Surge Current (Per diode)	İFSM	4000A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage *	VF	0.76V 0.86V	IFM =300A;TJ =125°C IFM =300A;TJ =25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	ΙR	1mA 8mA 15mA	T _J =25°C T _J =125°C T _J =150°C
Isolation Voltage	Viso	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	Røj c	0.28°C/W	
Mounting Torque		4 ± 0.5Nm 3 ± 0.5Nm	

^{*}Pulse Test: Pulse Width 300 \(\mu \) sec, Duty Cycle < 2%

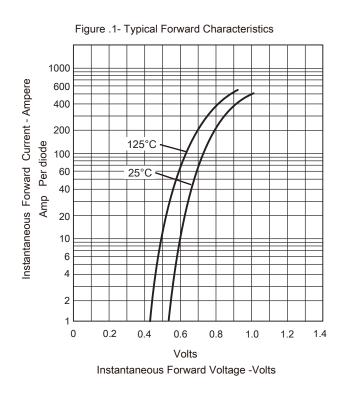


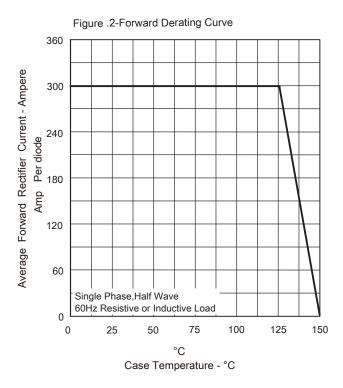
Dimensions in mm (1 mm = 0.0394")

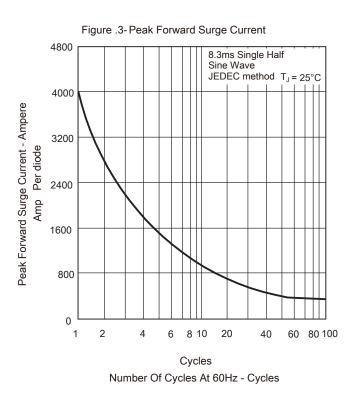


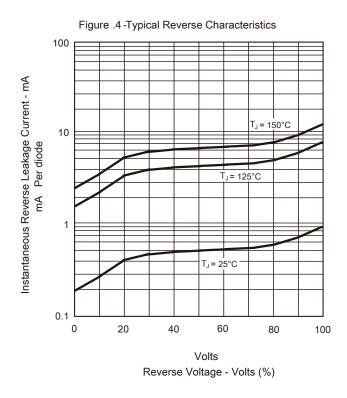


$\mathsf{MBRTT600100}(\mathsf{A})(\mathsf{D})(\mathsf{R})$











MBRTT600100(A)(D)(R)

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