

MBRTA600100(R)

SCHOTTKY DIODE MODULE TYPE 600A / 100V

Features

High Surge Capability Type 100V V_{RRM} Isolation Type Package Electrically Isolation base plate

Maximum Ratings

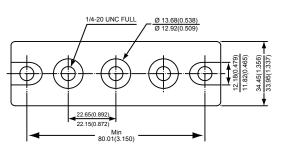
Operating Temperature : -55°C to +150°C

Storage Temperature : -55°C to +150°C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRTA600100(R)	100V	70V	100V

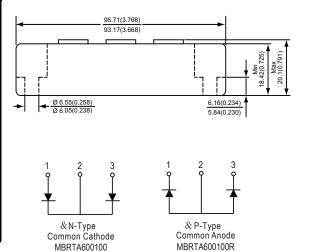


Dimensions in mm (1 mm = 0.0394")



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

Average Forward Current (Per pkg)	F(AV)	600A	Tc = 100°C
Peak Forward Surge Current (Per leg)	IFSM	4000A	8.3ms , half sine
Maximum _(Per leg) Instantaneous Forward Voltage *	VF	0.84V	Ігм=300А; Тј = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per leg)	IR	1mA 10mA 50mA	TJ = 25°C TJ = 100°C TJ = 150°C
Isolation Voltage	Viso	3000V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per leg)	Røjc	0.28°C/W	

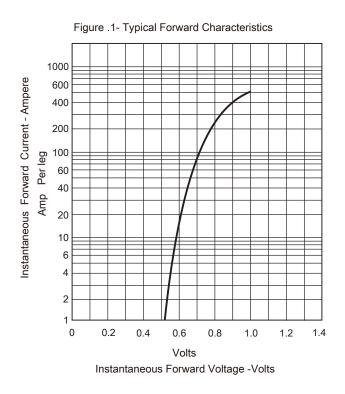


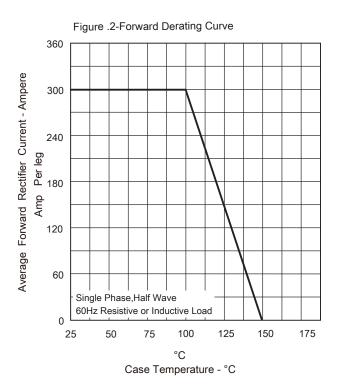
*Pulse Test: Pulse Width 300 $\mu {\rm sec},$ Duty Cycle 2%

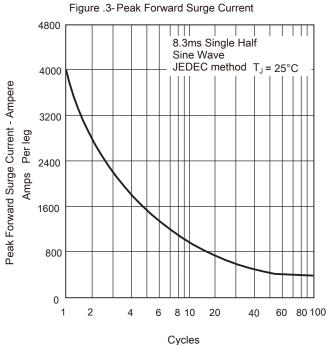
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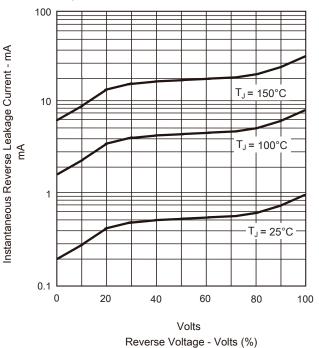






Number Of Cycles At 60Hz - Cycles

Figure .4 -Typical Reverse Characteristics



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