

MBRTT30020(A)(D)(R) THRU MBRTT30045(A)(D)(R)

SCHOTTKY DIODE MODULE TYPES 300A

Features

High Surge Capability
Types Up to 45V VRRM
Isolation Type Package
Electrically Isolation Base Plate

Maximum Ratings

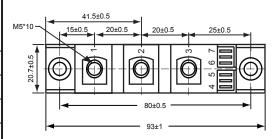
Junction Operating Temperature : -55°C to +150°C

Storage Temperature : -55°C to +150°C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRTT30020(A)(D)(R)	20V	14V	20V
MBRTT30030(A)(D)(R)	30V	21V	30V
MBRTT30035(A)(D)(R)	35V	25V	35V
MBRTT30040(A)(D)(R)	40V	28V	40V
MBRTT30045(A)(D)(R)	45V	32V	45V

TO-240AA

Dimensions in mm (1mm = 0.0394")

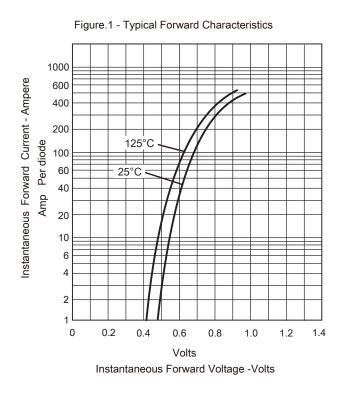


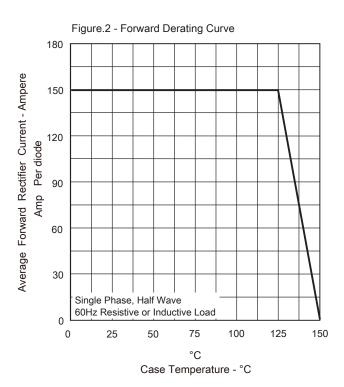


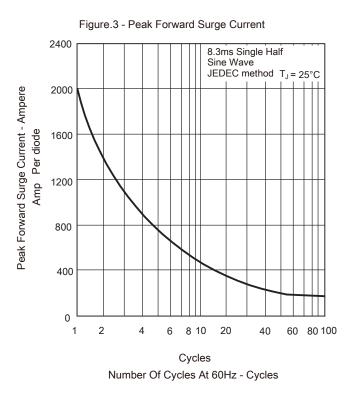
Average Forward (Per pkg) Current (Per diode)	I F(AV)	300A 150A	Tc=125°C
Peak Forward Surge Current (Per diode)	IFSM	2000A	8.3ms, half sine
Maximum (Per diode) Instantaneous Forward Voltage*	VF	0.66V 0.72V	IFM =150A;TJ =125°C IFM =150A;TJ =25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	lπ	1mA 8mA 40mA	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)	Røjc	0.40°C/W	
Mounting Torque		4 ± 0.5Nm 3 ± 0.5Nm	to heatsink to terminals

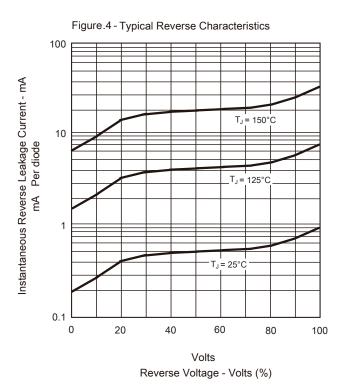
MBRTT300xxADR

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









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