

MBRTT40020(A)(D)(R)

THRU

MBRTT40045(A)(D)(R)

SCHOTTKY DIODE MODULE TYPES 400A / 20-45V

Features

High Surge Capability
Types up to 45 V_{RRM}
Isolation Type Package
Electrically Isolation base plate



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
MBRTT40020(A)(D)(R)	20V	14V	20V
MBRTT40030(A)(D)(R)	30V	21V	30V
MBRTT40035(A)(D)(R)	35V	25V	35V
MBRTT40040(A)(D)(R)	40V	28V	40V
MBRTT40045(A)(D)(R)	45V	32V	45V

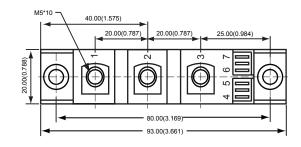
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

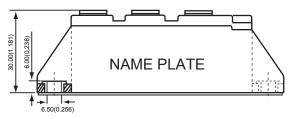
Average Forward Current (Per pkg)	I F(AV)	400A	Tc = 125°C
Peak Forward Surge Current (Per leg)	İFSM	3000A	8.3ms , half sine
Maximum (Per leg) Instantaneous Forward Voltage *	VF	0.64V 0.70V	IFM=200A;ТJ = 125°С IFM=200A;ТJ = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per leg)	lR	1mA 10mA 50mA	T _J = 25°C T _J = 100°C T _J = 150°C
Isolation Voltage	Viso	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per leg)	Røj c	0.35°C/W	
Mounting torque		4 ± 0.5Nm 3 ± 0.5Nm	to heatsink to terminals

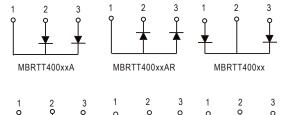
^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle 2%



Dimensions in mm (1 mm = 0.0394")



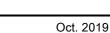


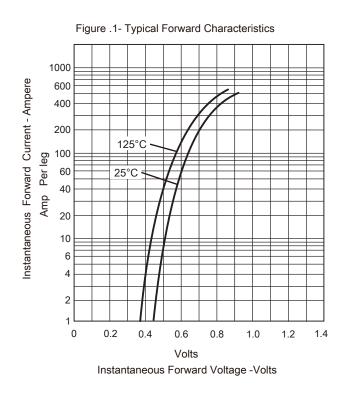


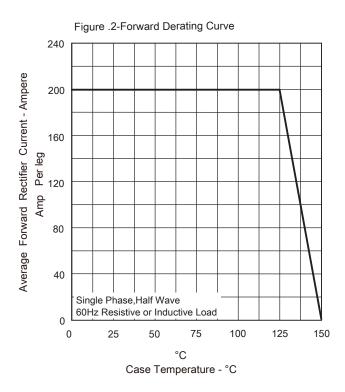
MBRTT400xxD

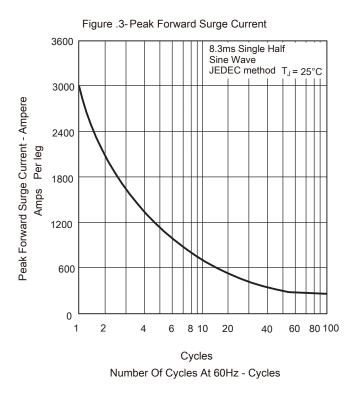


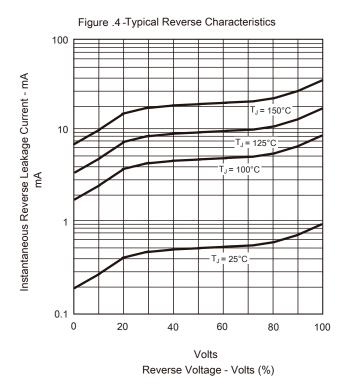
MBRTT400xxR











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Oct. 2019



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