

MBRT30090(R) THRU MBRT300100(R)

SCHOTTKY DIODE MODULE TYPES 300A / 90-100V

Features

High surge Capability
Types Up to 100V VRRM
Isolation Type Package
Electrically Isolation base plate

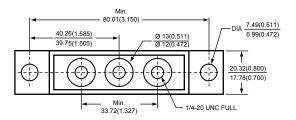


Maximum Ratings

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
MBRT30090(R)	90V	63V	90V
MBRT300100(R)	100V	70V	100V

Dimensions in mm (1 mm = 0.0394")

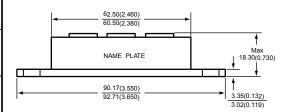


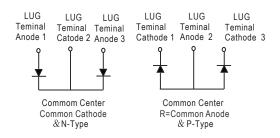
Electrcal Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Per pkg)	 F(AV)	300A	Tc =125°C
Peak Forward Surge Current (Per diode)	İFSM	2000A	8.3ms,half sine
Maximum (Per diode) Instantaneous Forward Voltage	V _F	0.84V	I _{FM} =150А; ТJ=25°С
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per diode)	I _R	1 mA 8 mA 15 mA	$T_J = 25^{\circ}C$ $T_J = 125^{\circ}C$ $T_J = 150^{\circ}C$
Isolation Voltage	Viso	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	R ₀ jc	0.40°C/W	
Weight		103g	

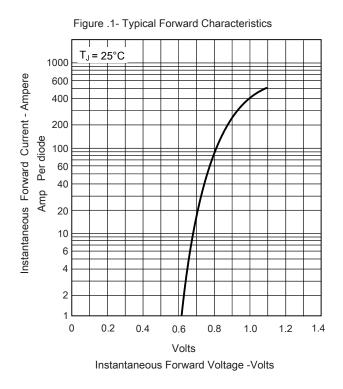


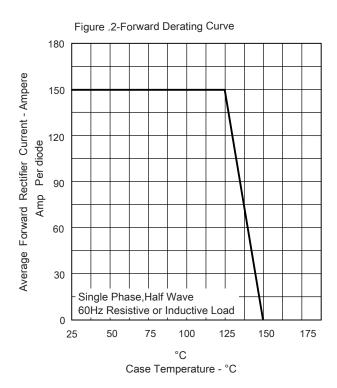
(1) Pulse Test: Pulse Width 300µsec, Duty<2%

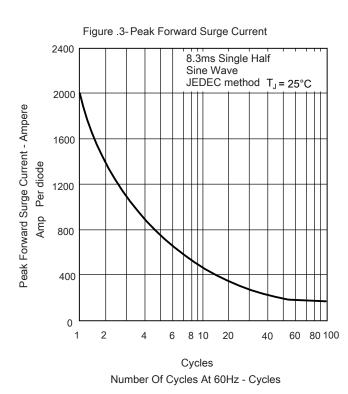


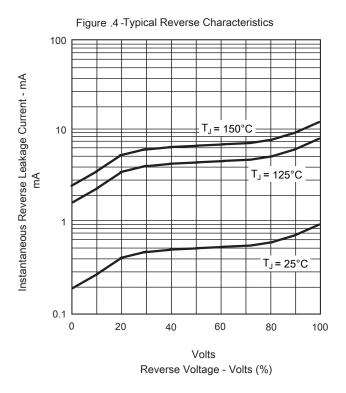


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