



SCHOTTKY DIODE MODULE TYPE 400A / 150V

Features

- High surge Capability
- Type 150V V_{RRM}
- Isolation Type Package
- Electrically Isolation base plate

Maximum Ratings

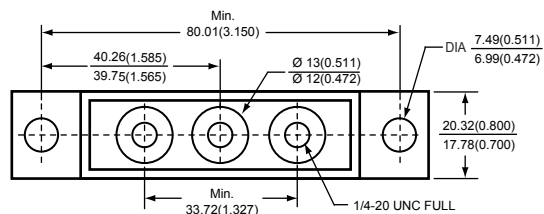
- Operating Temperature : -55 °C to +150 °C
- Storage Temperature : -55 °C to +150 °C

THREE TOWER



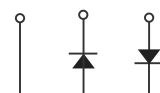
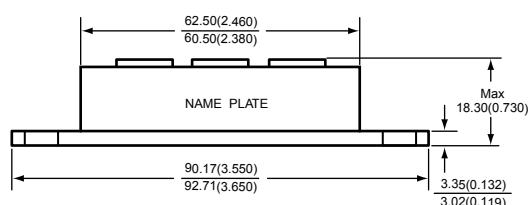
Dimensions in mm (1 mm = 0.0394")

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRT401150(A)D(R)	150V	105V	150V

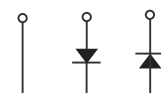


Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	400A	$T_C = 125^\circ\text{C}$
Peak Forward Surge Current (Per diode)	I_{FSM}	3400A	8.3ms, half sine
Maximum Instantaneous Forward Voltage (Per diode) NOTE (1)	V_F	0.71V 0.85V	$I_{FM} = 200A; T_J = 125^\circ\text{C}$ $I_{FM} = 200A; T_J = 25^\circ\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per diode) NOTE (1)	I_R	4mA 15mA 40mA	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$ $T_J = 150^\circ\text{C}$
Isolation Voltage	V_{iso}	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	$R_{\theta jc}$	0.35°C/W	
Weight		103g	



MBRT401150AD



MBRT401150ADR



MBRT401150D

NOTE : (1) Pulse Test: Pulse Width 300 μ sec, Duty < 2%

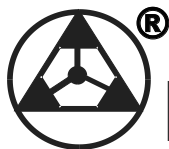


Figure .1- Typical Forward Characteristics

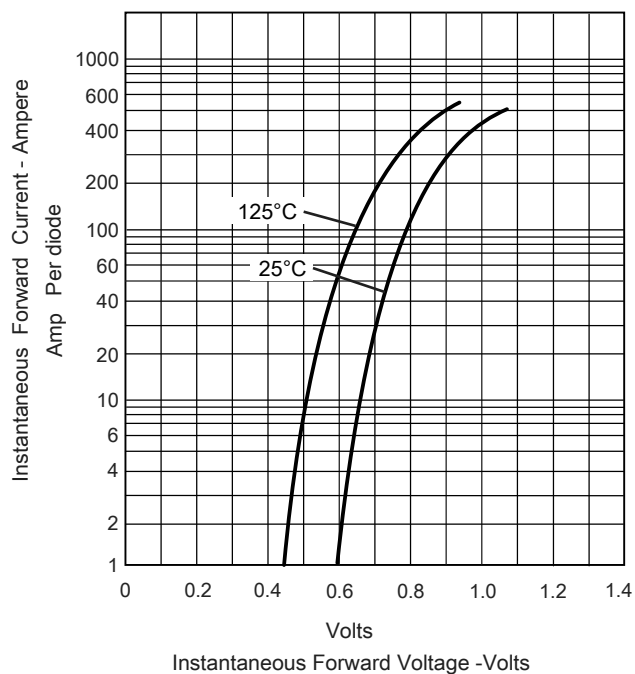


Figure .2-Forward Derating Curve

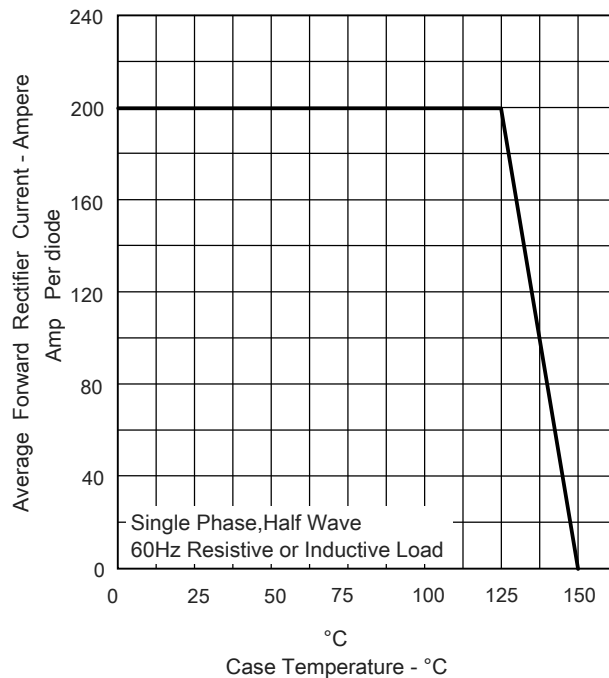


Figure .3- Peak Forward Surge Current

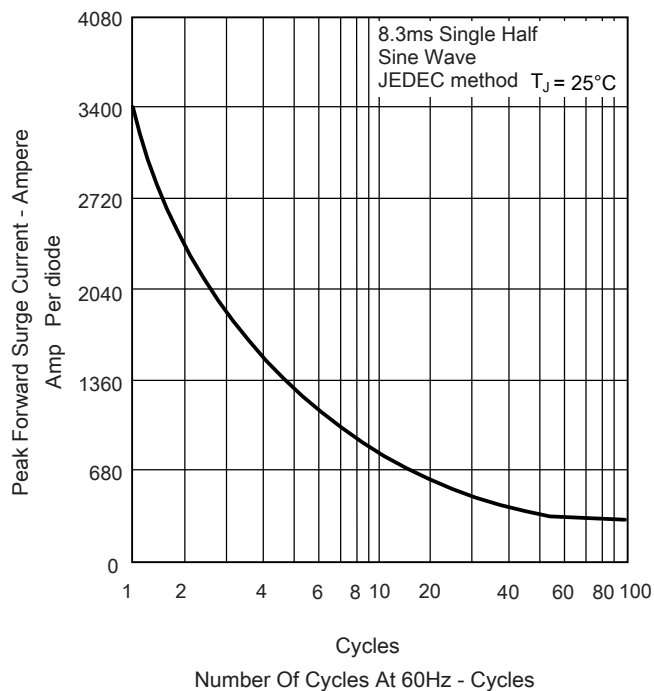
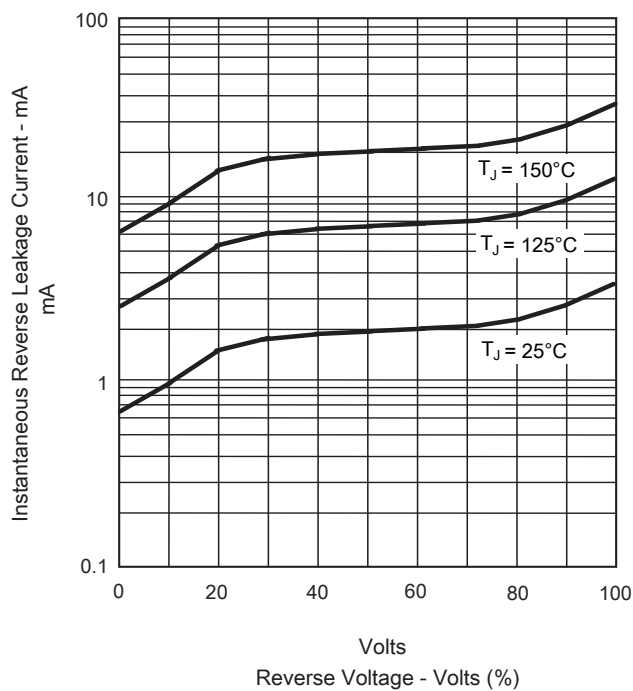


Figure .4- Typical Reverse Characteristics





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