



SCHOTTKY DIODE MODULE TYPE 400A

Features

- High Surge Capability
- Type 150V V_{RRM}
- Isolation Type Package
- Electrically Isolation Base Plate

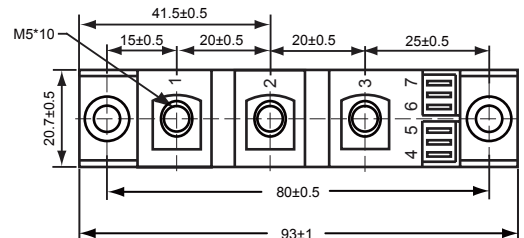
Maximum Ratings

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



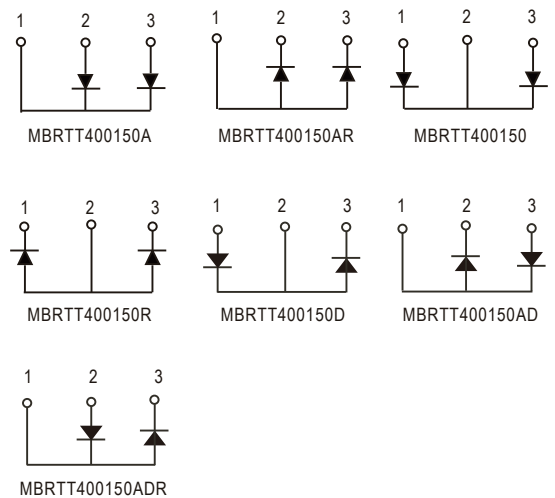
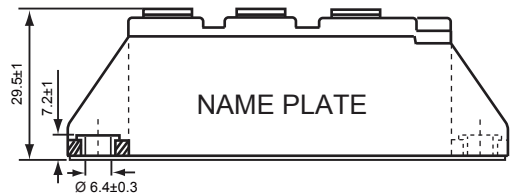
Dimensions in mm (1 mm = 0.0394")

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRTT400150(A)(D)(R)	150V	105V	150V



Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current <small>(Per pkg) (Per diode)</small>	$I_{F(AV)}$	400A 200A	$T_c = 125^\circ C$
Peak Forward Surge Current <small>(Per diode)</small>	I_{FSM}	3000A	8.3ms , half sine
Maximum Instantaneous Forward Voltage * <small>(Per diode)</small>	V_F	0.82V 0.90V	$I_{FM} = 200A; T_J = 125^\circ C$ $I_{FM} = 200A; T_J = 25^\circ C$
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* <small>(Per diode)</small>	I_R	3mA 8mA 20mA	$T_J = 25^\circ C$ $T_J = 125^\circ C$ $T_J = 150^\circ C$
Isolation Voltage	V_{iso}	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case <small>(Per diode)</small>	$R_{\theta jc}$	0.35°C/W	
Mounting Torque		$4 \pm 0.5Nm$ $3 \pm 0.5Nm$	to heatsink to terminals



*Pulse Test: Pulse Width 300 μsec, Duty Cycle < 2%



Figure .1- Typical Forward Characteristics

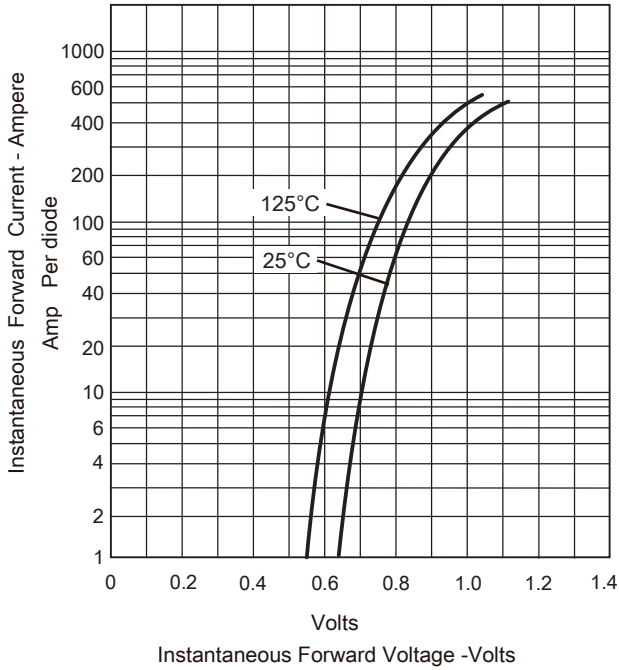


Figure .2-Forward Derating Curve

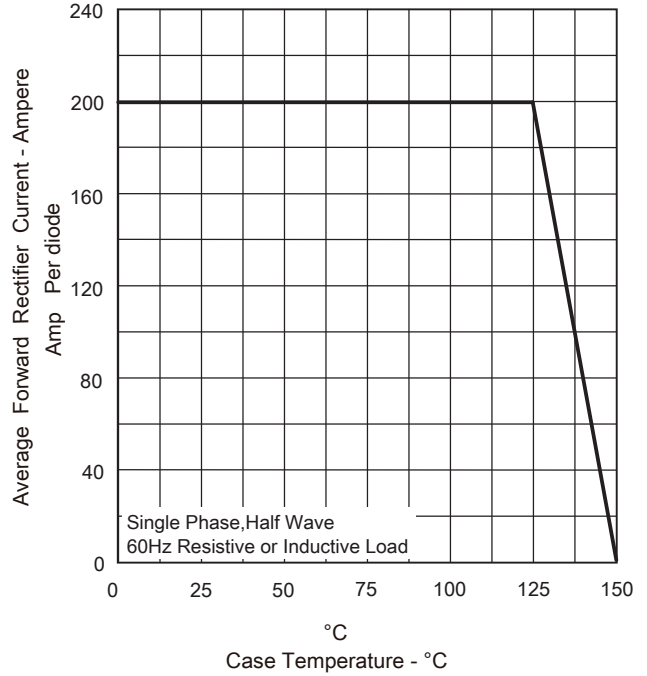


Figure .3- Peak Forward Surge Current

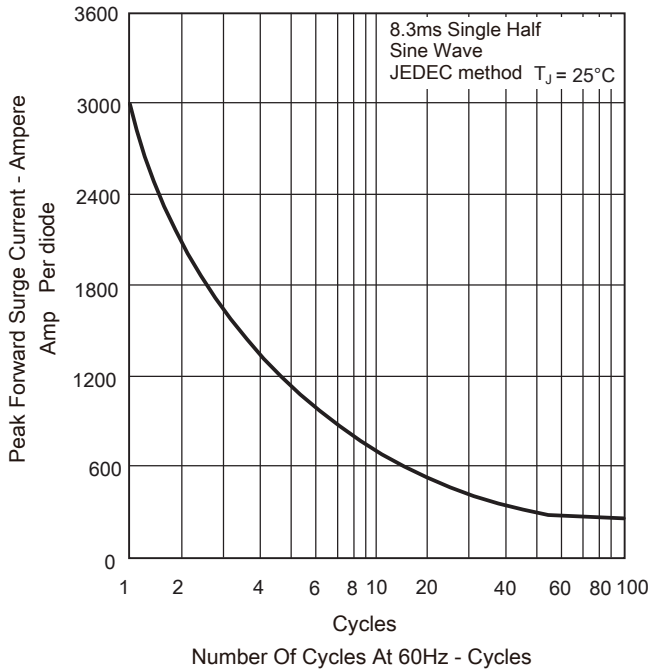
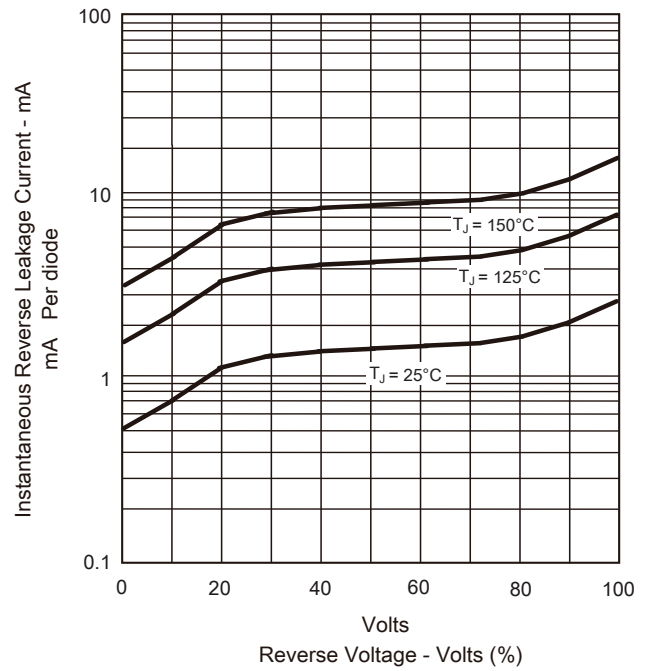


Figure .4-Typical Reverse Characteristics





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