DACO SEMICONDUCTOR CO.,LTD.

MBRTT600150(A)(D)(R)

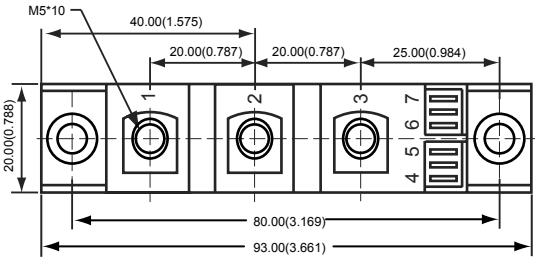
SCHOTTKY DIODE MODULE TYPE
600A / 150V

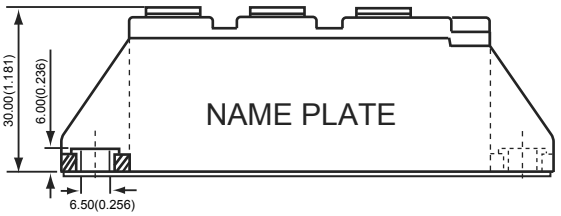
Features

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

TO-240AA

Dimensions in mm (1 mm = 0.0394")





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
MBRTT600150(A)(D)(R)	150V	105V	150V

Electrical Characteristics @ 25 ℃ Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	600A	T_C = 125°C
Peak Forward Surge Current (Per diode)	I_{FSM}	4000A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage *	V_F	0.80V 0.88V	I_{FM}=300A;T_J = 125°C I_{FM}=300A;T_J = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	I_R	4mA 10mA 25mA	T_J = 25°C T_J = 125°C T_J = 150°C
Isolation Voltage	V_{iso}	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	$R_{\theta jc}$	0.28°C/W	
Mounting torque		4 ± 0.5Nm 3 ± 0.5Nm	to heatsink to terminals
Weight		106g	

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

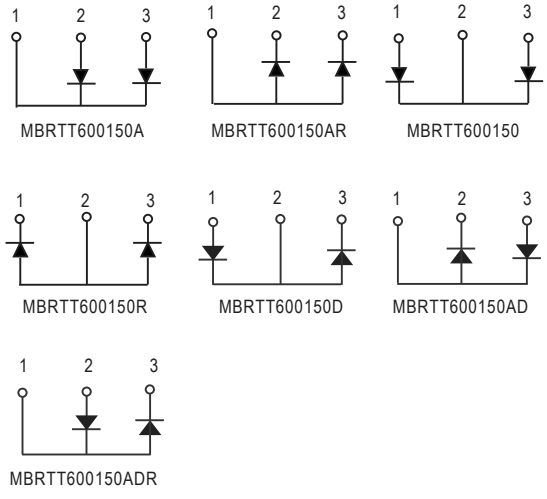


Figure .1- Typical Forward Characteristics

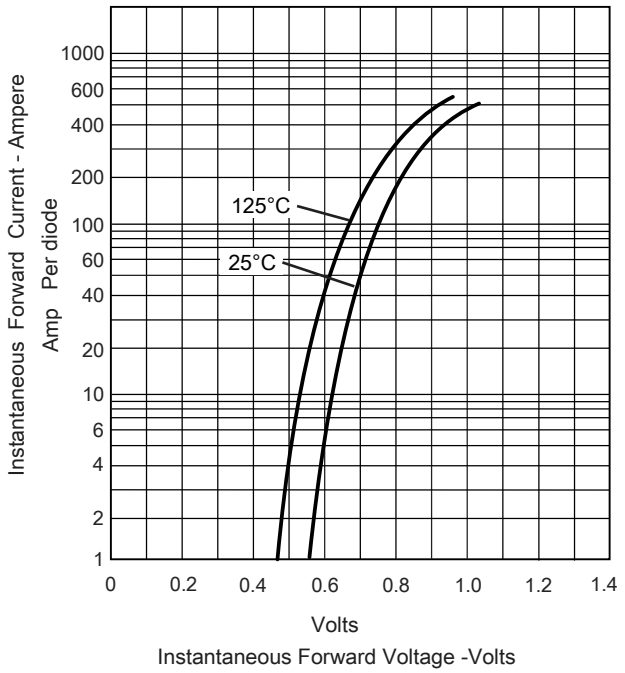


Figure .2-Forward Derating Curve

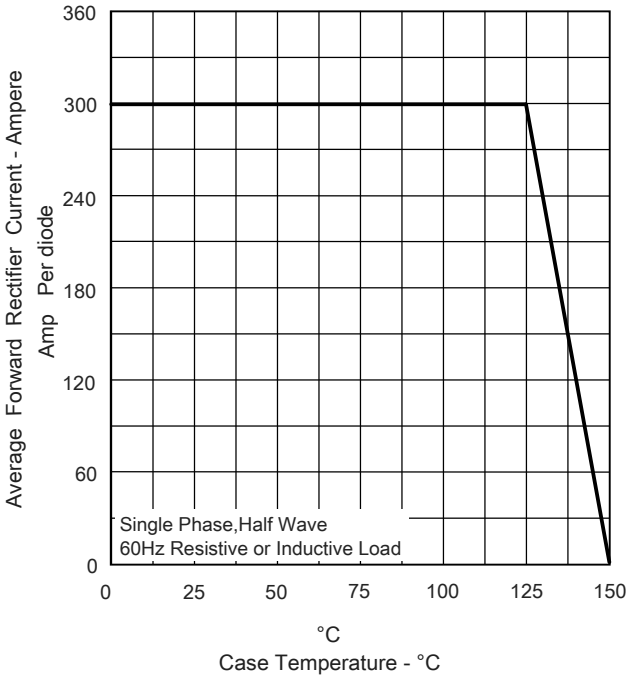


Figure .3- Peak Forward Surge Current

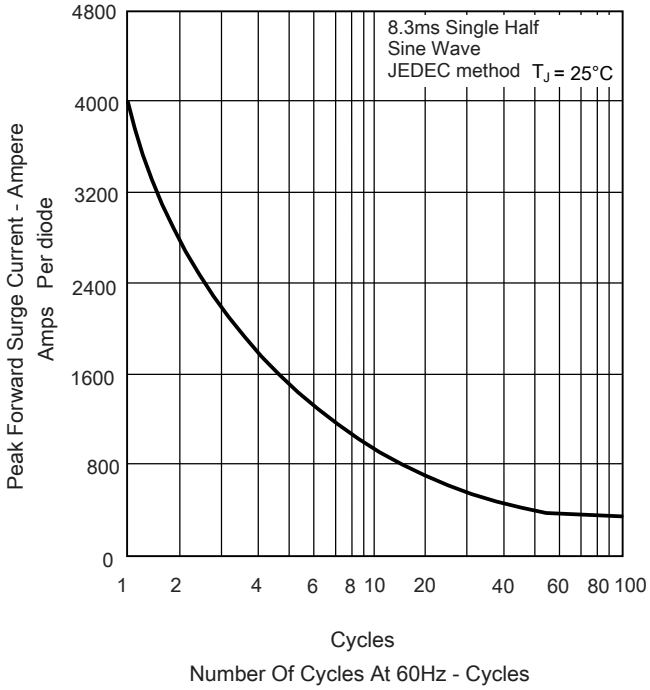
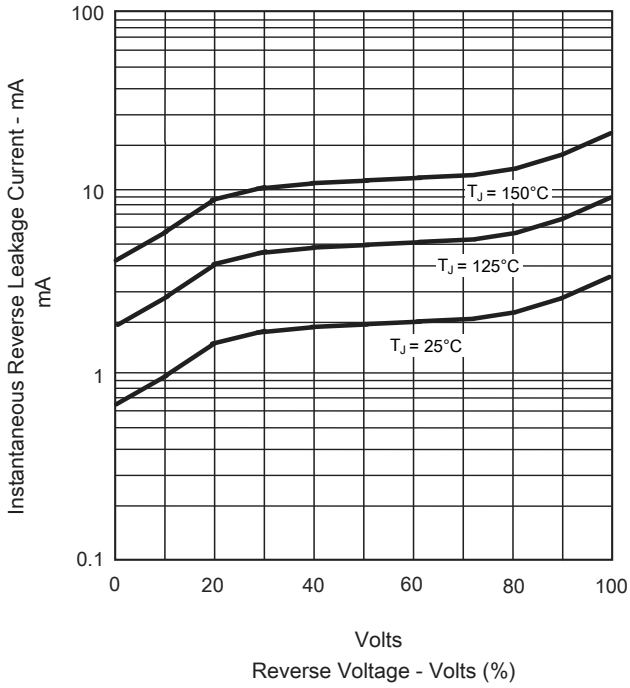


Figure .4 -Typical Reverse Characteristics



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