DACO SEMICONDUCTOR CO.,LTD.

MBRT20060(R)

SCHOTTKY DIODE MODULE TYPE
200A / 60V

Features

- High Surge Capability
- Type 60V V_{RRM}
- Isolation Type Package
- Electrically Isolation base plate

THREE TOWER

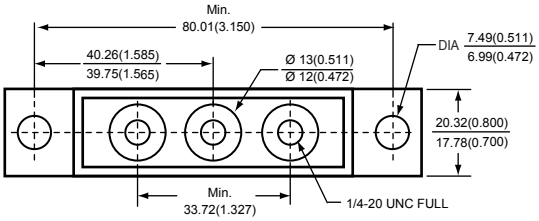
Maximum Ratings

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

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

Dimensions in mm (1 mm = 0.0394")

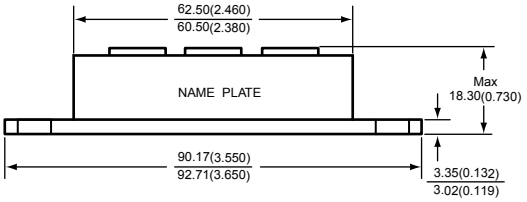
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRT20060(R)	60V	42V	60V



Electrcal Characteristics @ 25℃ Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	200A	T_C =125°C
Peak Forward Surge Current (Per diode)	I_{FSM}	1500A	8.3ms,half sine
Maximum Instantaneous Forward Voltage (Per diode) NOTE (1)	V_F	0.75V	I_{FM}=100A;T_J =25°C
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per diode) NOTE (1)	I_R	1mA 8mA 15mA	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)	$R_{\theta jc}$	0.45°C/W	
Weight		103g	

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



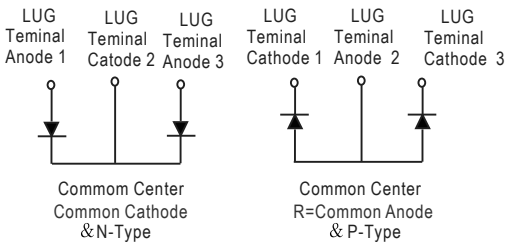


Figure .1- Typical Forward Characteristics

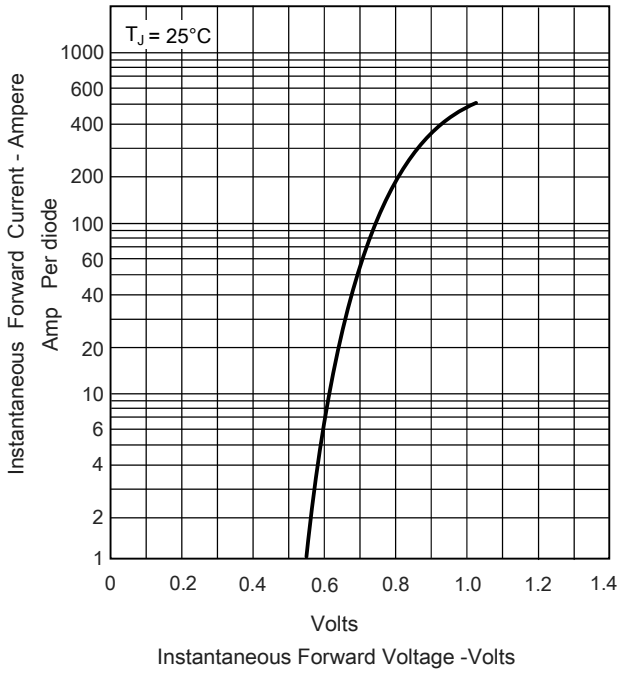


Figure .2-Forward Derating Curve

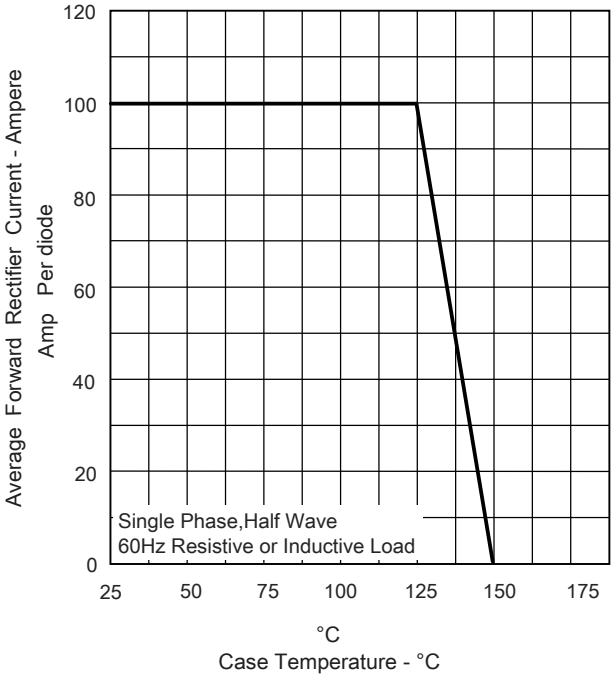


Figure .3- Peak Forward Surge Current

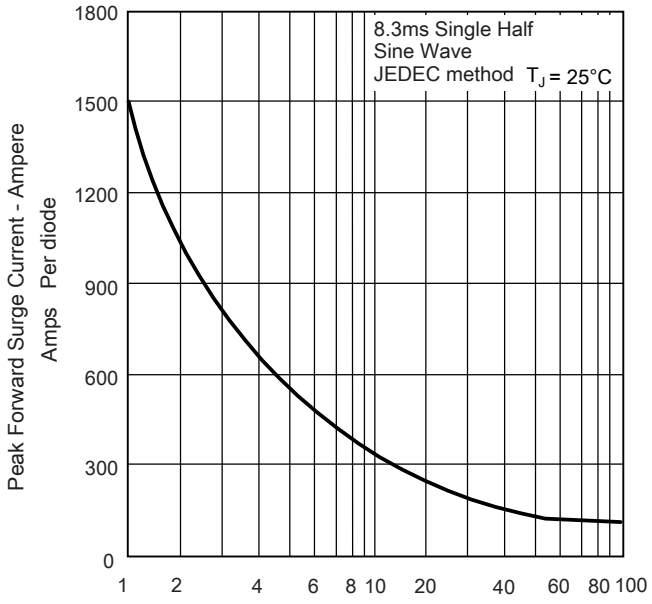
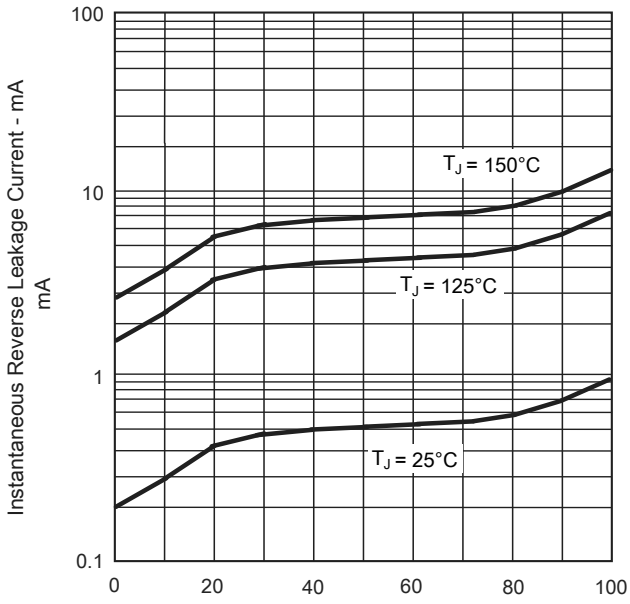


Figure .4 -Typical Reverse Characteristics



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