MBRT400200(R)

DACO SEMICONDUCTOR CO.,LTD.

SEMIC TRADE

SCHOTTKY DIODE MODULE TYPE
400A / 200V

Features

- High surge Capability
- Type 200V V_{RRM}
- Isolation Type Package
- Electrically Isolation base plate

THREE TOWER

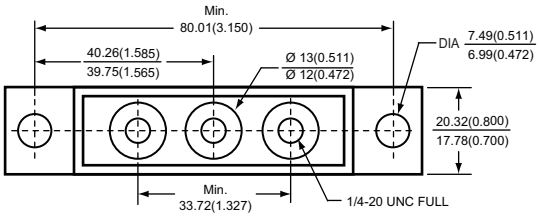
Maximum Ratings

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

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

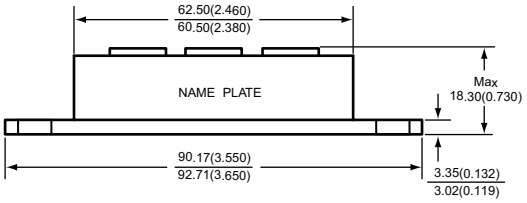
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRT400200(R)	200V	141V	200V

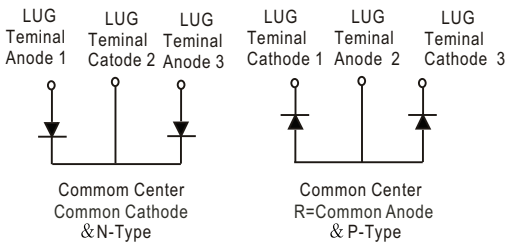
Dimensions in mm (1 mm = 0.0394")



Electrcal Characteristics @ 25℃ Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	400A	T_C =125°C
Peak Forward Surge Current (Per diode)	I_{FSM}	3000A	8.3ms,half sine
Maximum Instantaneous Forward Voltage (Per diode) NOTE (1)	V_F	0.92V	I_{FM}=200A;T_J =25°C
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per diode) NOTE (1)	I_R	3mA 10mA 20mA	T_J = 25°C T_J =125°C T_J =150°C
Isolation Voltage	Viso	2500V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per diode)	$R_{\theta jc}$	0.35°C/W	
Weight		103g	





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

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Figure .1- Typical Forward Characteristics

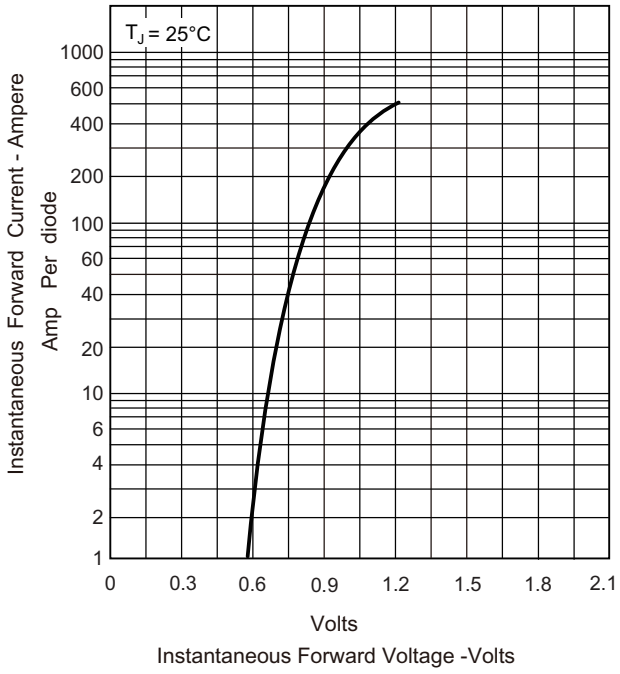


Figure .2-Forward Derating Curve

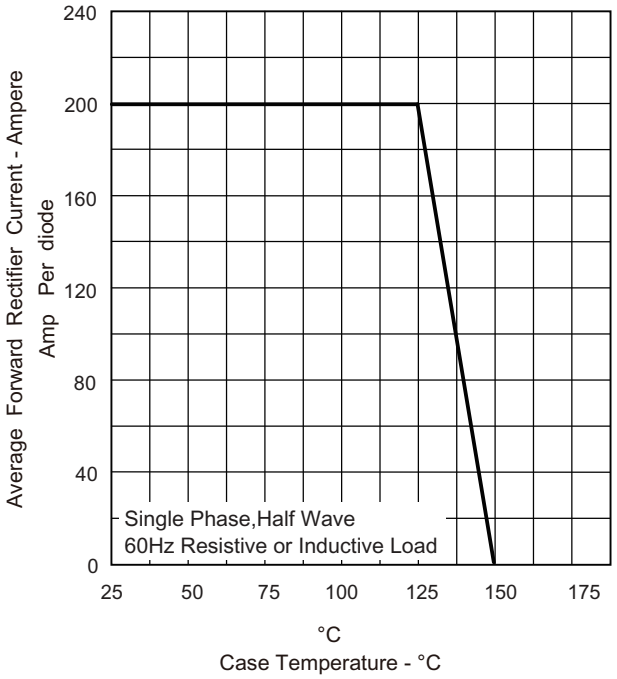


Figure .3- Peak Forward Surge Current

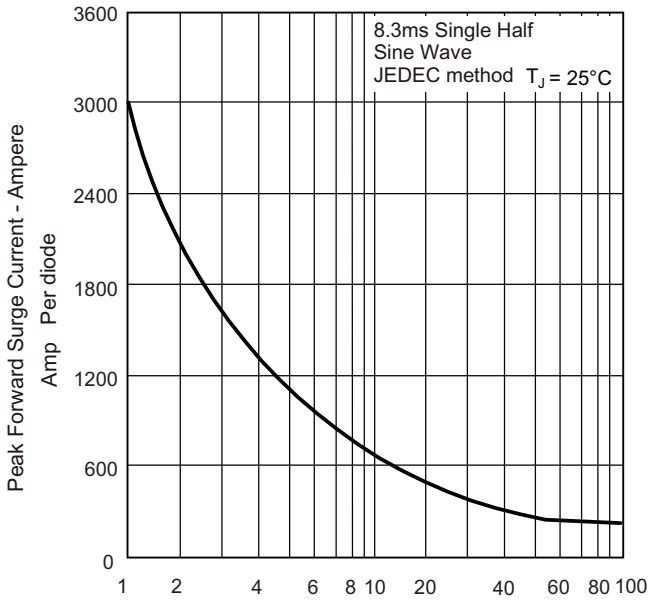
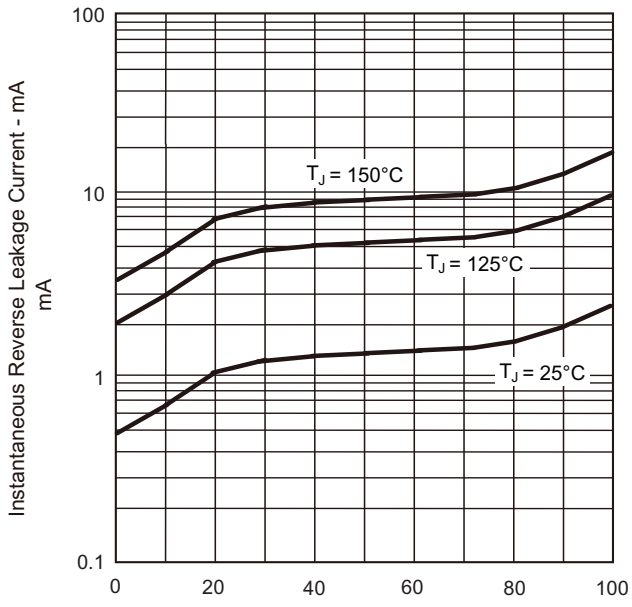


Figure .4 -Typical Reverse Characteristics



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