DACO SEMICONDUCTOR CO.,LTD.

MBRA801150CT(R)

SCHOTTKY DIODE MODULE TYPE
800A / 150V

HEAVY TWIN TOWER

Features

High surge Capability

Type 150V V_{RRM}

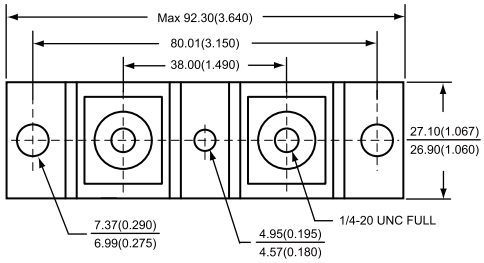
Maximum Ratings

Operating Temperature: -55 ℃ to+150 ℃

Storage Temperature: -55 ℃ to+150 ℃

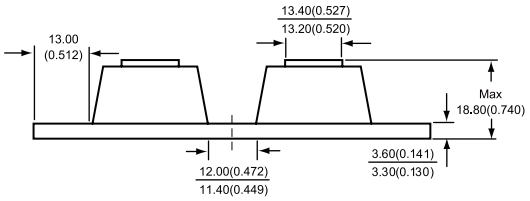
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRA801150CT(R)	150V	105V	150V

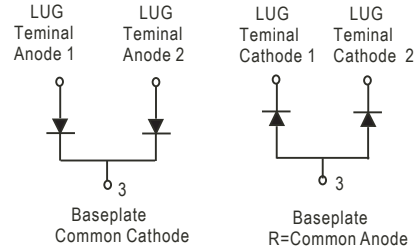
Dimensions in mm (1 mm = 0.0394")



Electrcal Characteristics @ 25℃ Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	800A	T_C =100℃
Peak Forward Surge Current (Per leg)	I_{FSM}	6200A	8.3ms , half sine
Maximum Instantaneous Forward Voltage NOTE(1) (Per leg)	V_F	0.86V	I_{FM}=400A;TJ=25℃
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage NOTE(1) (Per leg)	I_R	5mA 10mA 95mA	T_J = 25℃ T_J = 100℃ T_J = 150℃
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.25℃/W	





NOTE :

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

Figure.1-Typical Forward Characteristics

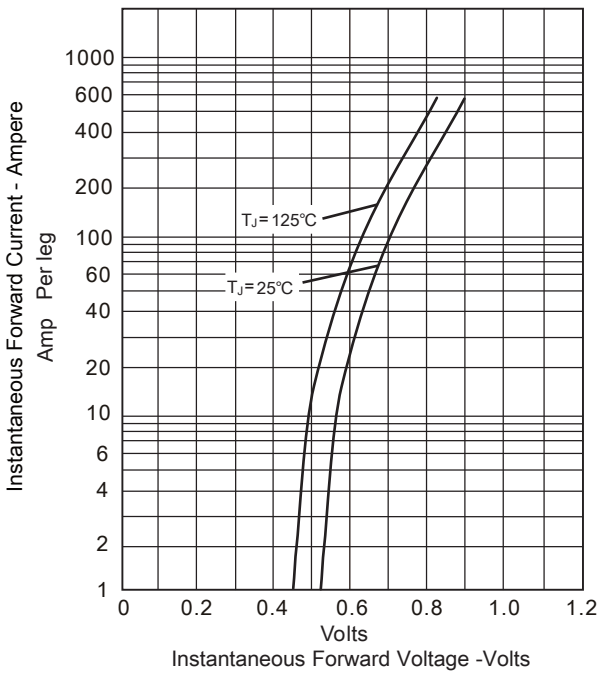


Figure.2-Forward Derating Curve

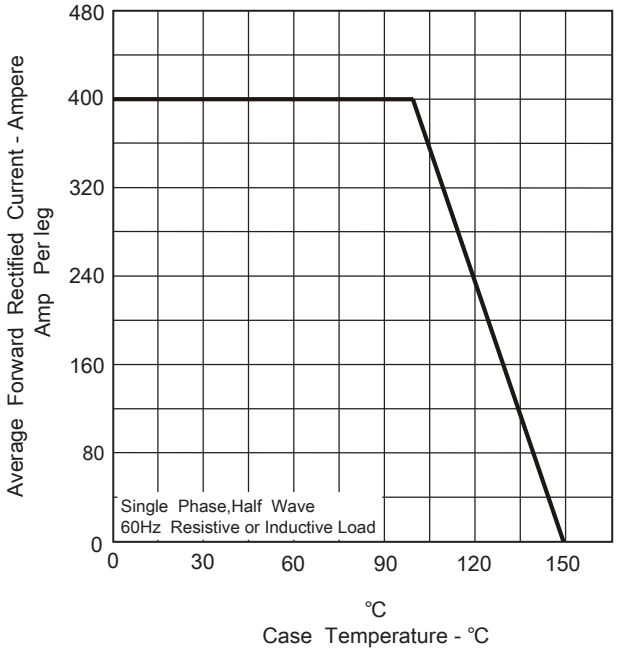


Figure.3-Peak Forward Surge Current

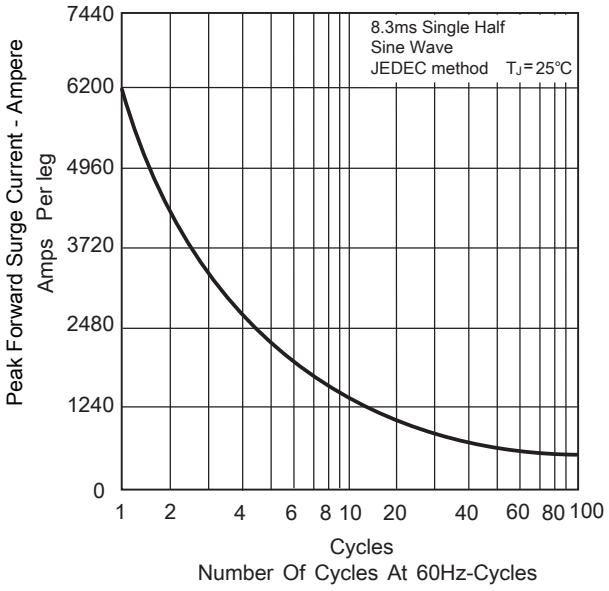
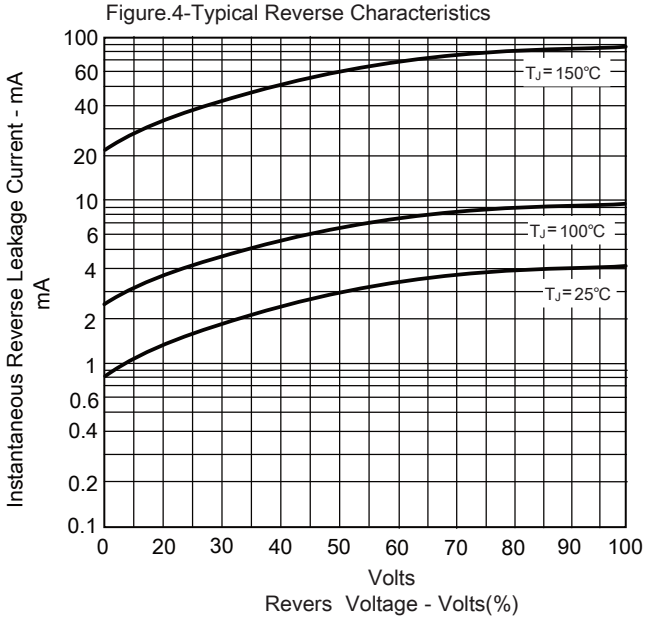


Figure.4-Typical Reverse Characteristics



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