DACO SEMICONDUCTOR CO.,LTD.

MBRA600150CT(R) THRU MBRA600200CT(R)

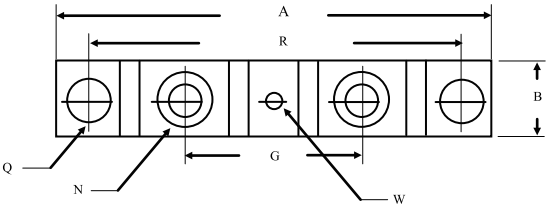
SCHOTTKY DIODE MODULE TYPES 600A

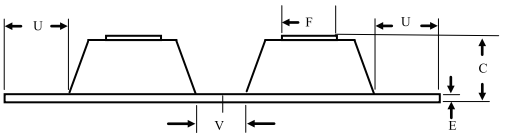
Features

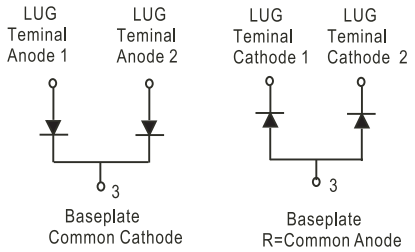
High surge Capability
Types Up to 200V V_{RRM}

600Amp Rectifier
150-200 Volts

HEAVY TWIN TOWER







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
MBRA600150CT(R)	150V	105V	150V
MBRA600200CT(R)	200V	140V	200V

Electrcal Characteristics @ 25℃ Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	600A	T_C =100 ℃
Peak Forward Surge Current (Per leg)	I_{FSM}	4000A	8.3ms , half sine
Maximum Instantaneous Forward Voltage (Per leg) 150V 200V	V_F	0.88V 0.92V	I_{FM}=300A;Tj=25℃
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg) NOTE (1)	I_R	3 mA 10mA 50mA	T_J = 25 ℃ T_J =100 ℃ T_J =150 ℃
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.28℃/W	

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

DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	-----	3.64	-----	92.3
B	1.06	1.067	26.9	27.1
C	-----	0.740	-----	18.8
E	0.134	0.14	3.4	3.55
F	0.520	0.527	13.2	13.4
G	1.49	BSC	38.0	BSC
N	1/4-20 UNC FULL			
Q	0.275	0.290	6.99	7.37
R	3.150	BSC	80.01	BSC
U	0.512	-----	13.0	-----
V	0.449	0.472	11.4	12.0
W	0.180	0.195	4.57	4.95

Figure.1-Typical Forward Characteristics

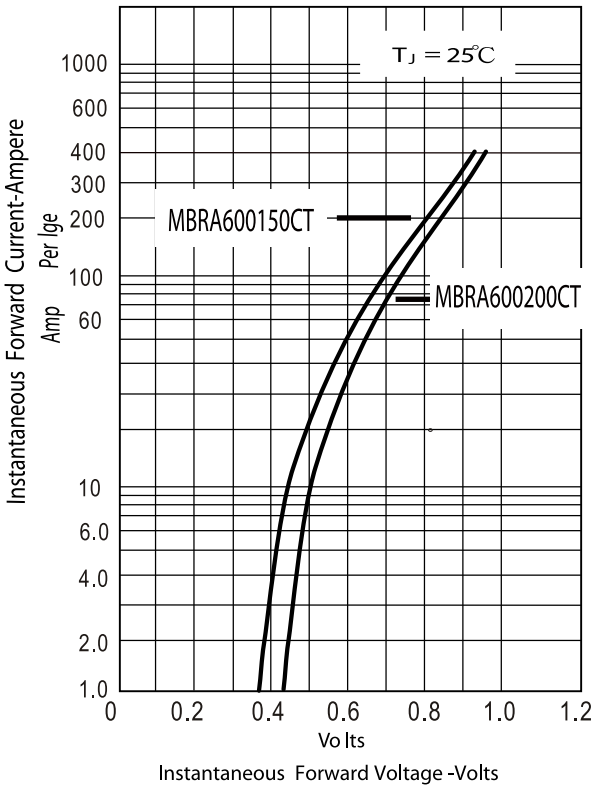
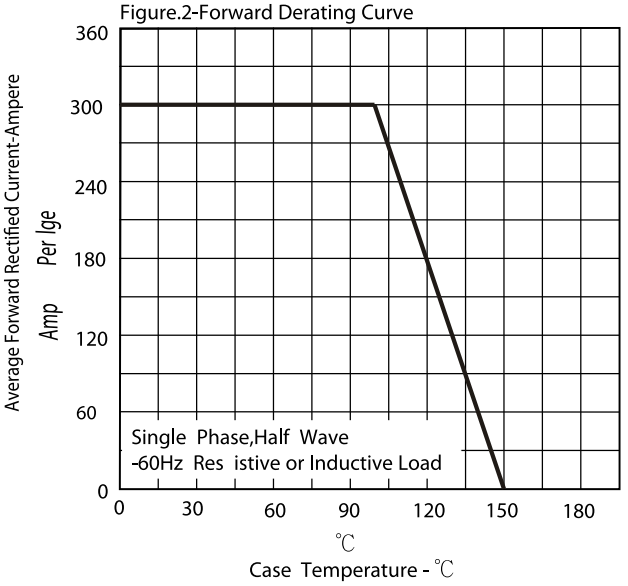


Figure.2-Forward Derating Curve



Figupre.3-Peak Forward Surge Current

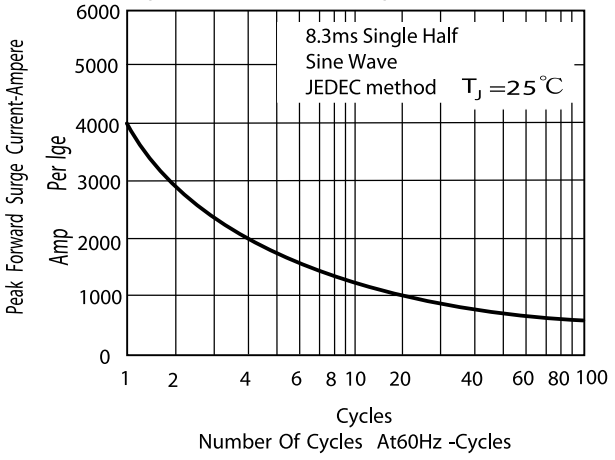


Figure.4-Typical Reverse Characteristics