DACO SEMICONDUCTOR CO.,LTD.

MBRTA800150(R)
THRU
MBRTA800200(R)

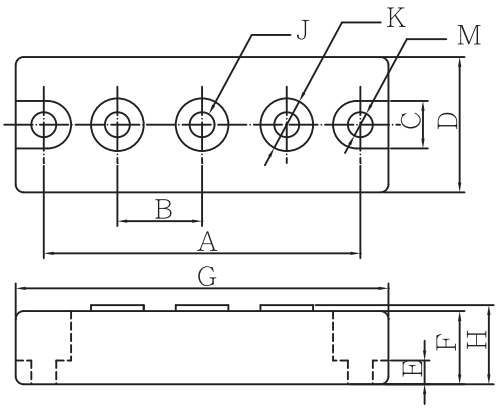
SCHOTTKY DIODE MODULE TYPES
800 A / 150-200V

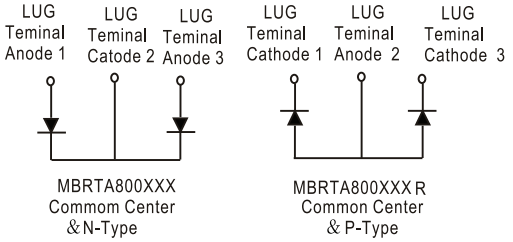
800Amp Rectifier
150-200 Volts

HEAVY THREE TOWER

Features

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





MBRTA800XXX
Commom Center
& N-Type

MBRTA800XXX R
Common Center
& P-Type

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
MBRTA800150(R)	150V	106V	150V
MBRTA800200(R)	200V	141V	200V

Ordering code

MBRTA	800	XXX	(R)
(1)	(2)	(3)	(4)

(1)MBRTA for Schottky diode modules & Isolation

(2)Maximum average current, Ampere

(3)Voltage code, V_{RRM}

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}	6000A	8.3ms , half sine
Maximum Instantaneous Forward Voltage (Per leg) 150V 200V	V_F	0.88V 0.92V	I_{FM}=400A;Tj=25℃
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg) NOTE (1)	I_R	5 mA 10 mA 50 mA	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%

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	3.150	NOM	80.01	NOM	
B	.827	.858	21.00	21.80	
C	.465	.479	11.82	12.18	
D	1.337	1.356	33.95	34.45	
E	.230	.234	5.84	6.16	
F	.725	REF	18.42	REF	
G	3.668	3.768	93.17	95.71	
H	---	.791	---	20.10	
J	1/4-20 UNC				
K	.509	.538	12.92	13.68	Ø
M	.238	.258	6.05	6.55	Ø

Figure.1-Typical Forward Characteristics

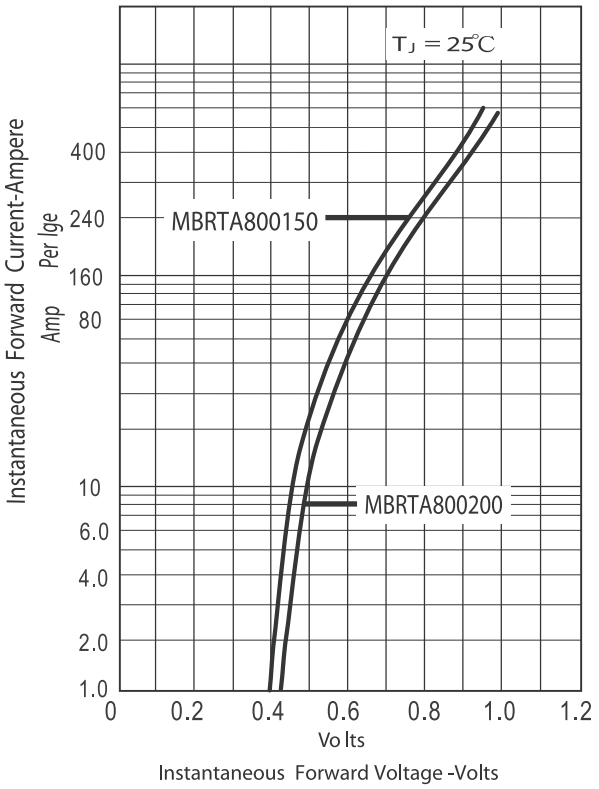
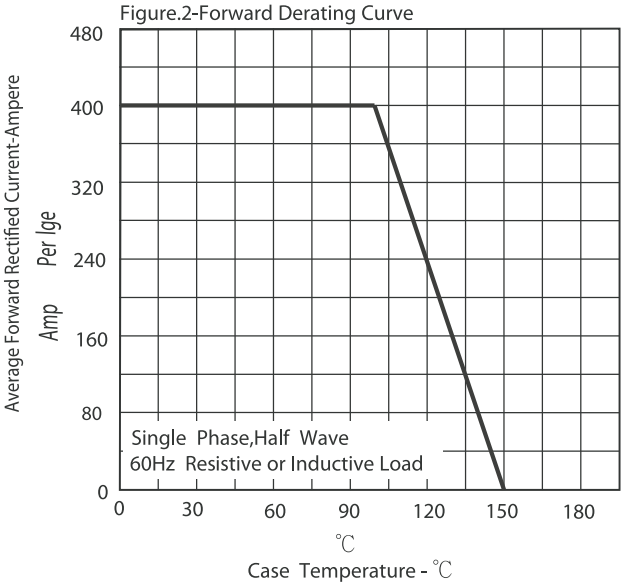


Figure.2-Forward Derating Curve



Figupre.3-Peak Forward Surge Current

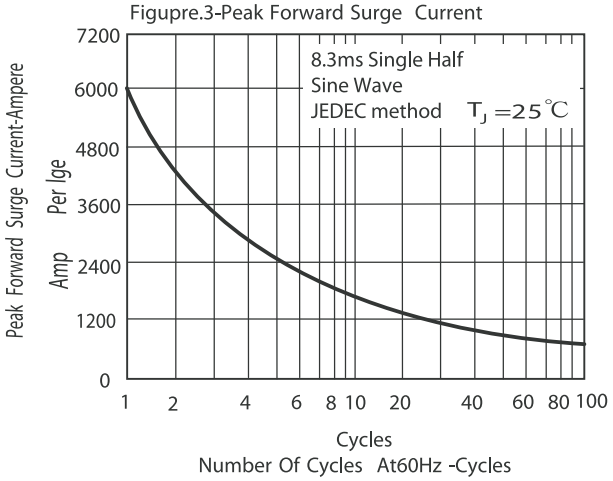
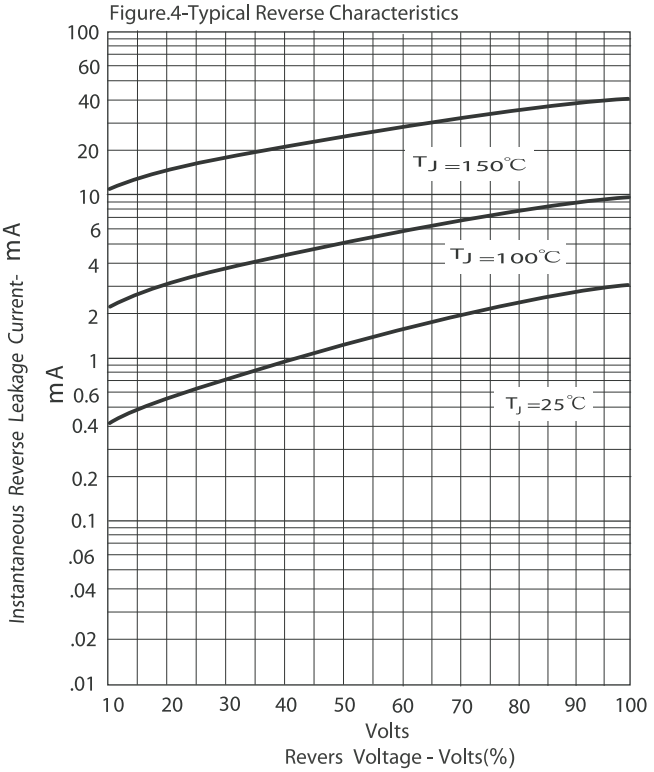


Figure.4-Typical Reverse Characteristics



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