MBRI2X120-180A

SCHOTTKY DIODE MODULE TYPE 2X120A / 180V

Features

High Surge Capability
Type 180V VRRM
Isolation Type Package
Electrically Isolation Base Plate
RoHS Compliant

Maximum Ratings

Junction Operating Temperature : -40°C to +150°C

Storage Temperature : -40°C to +150°C

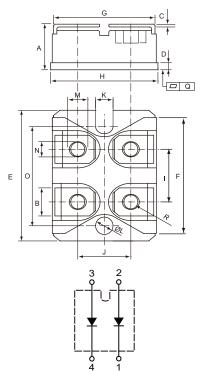
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRI2X120-180A	180V	126V	180V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward (Per pkg) Current (Per diode)	IF(AV)	240A 120A	Tc=110°C	
Peak Forward Surge Current (Per diode)	İFSM	1800A	8.3ms, half sine	
Maximum (Per diode) Instantaneous Forward Voltage*	VF	0.82V 0.92V	I _{FM} =120A;T _J =125°C I _{FM} =120A;T _J =25°C	
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	lR	3mA 10mA 30mA	T _J = 25°C T _J = 100°C T _J = 150°C	
Isolation Voltage	Viso	2500V	A.C. 1 minute	
Maximum Thermal Resistance Junction To Case (Per diode)	Røjc	0.38°C/W		
Mounting Torque		1.3Nm	M4 Screw	

^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle < 2%



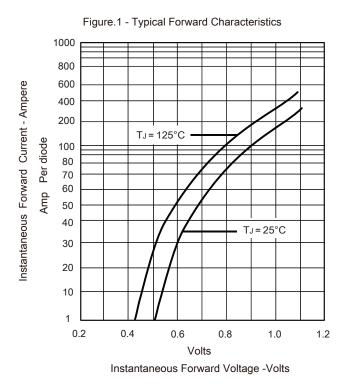


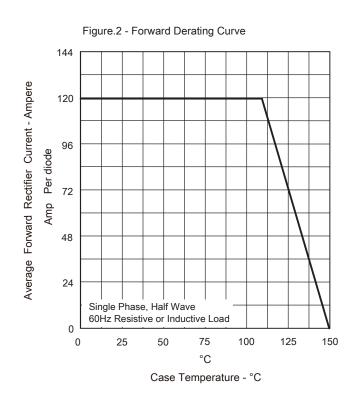
MBRI	2X120	- xxxA

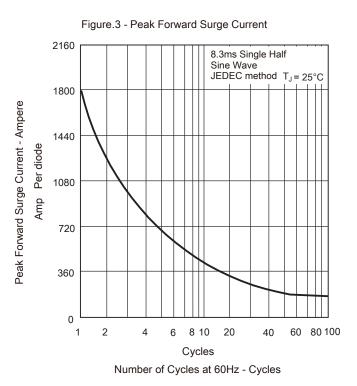
DIMENSIONS					
	INCHES		MM		
	MIN	MAX	MIN	MAX	
Α	0.460	0.483	11.68	12.28	
В	0.307	0.323	7.80	8.20	
С	0.030	0.033	0.75	0.85	
D	0.071	0.081	1.80	2.05	
E	1.488	1.504	37.80	38.20	
F	1.248	1.260	31.70	32.00	
G	0.917	0.957	23.30	24.30	
Н	0.996	1.008	25.30	25.60	
I	0.579	0.602	14.70	15.30	
J	0.492	0.516	12.50	13.10	
K	0.161	0.169	4.10	4.30	
L	0.161	0.169	4.10	4.30	
M	0.181	0.197	4.60	5.00	
N	0.165	0.181	4.20	4.60	
0	1.181	1.197	30.00	30.40	
Q	-0.002	0.004	-0.05	0.10	
R	M4*8				

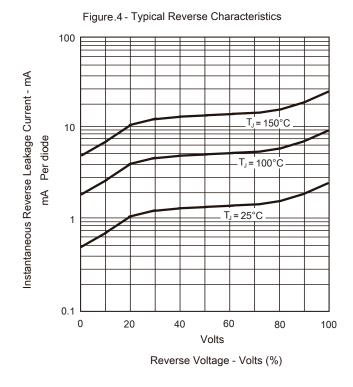


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