MBRI2X121-200A

SCHOTTKY DIODE MODULE TYPE 2X120A / 200V

Features

High Surge Capability
Type 200V 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

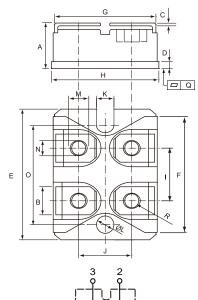
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRI2X121-200A	200V	140V	200V

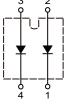
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward (Per pkg) Current (Per diode)	l _{F(AV)}	240A 120A	Tc=110°C
Peak Forward Surge Current (Per diode)	İfsm	1500A	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%





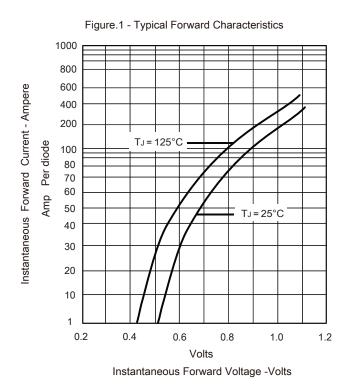


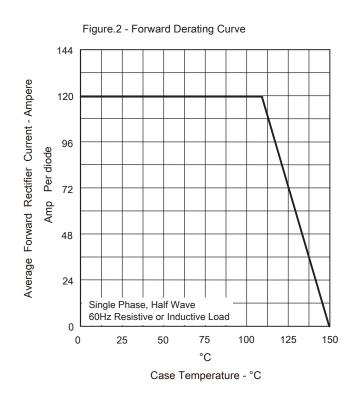
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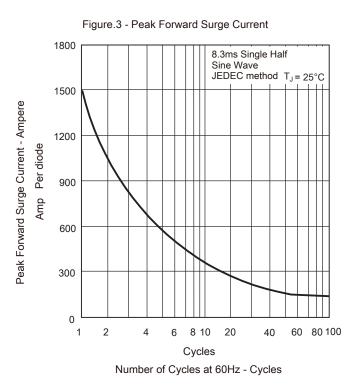
DIMENSIONS						
	INCHES		MM			
	MIN	MAX	MIN	MAX		
Α	0.460	0.483	11.68	12.28		
В	0.307	0.323	7.80	8.20		
С	0.030	0.033	0.75	0.85		
D	0.071	0.081	1.80	2.05		
Е	1.488	1.504	37.80	38.20		
F	1.248	1.260	31.70	32.00		
G	0.917	0.957	23.30	24.30		
Н	0.996	1.008	25.30	25.60		
1	0.579	0.602	14.70	15.30		
J	0.492	0.516	12.50	13.10		
K	0.161	0.169	4.10	4.30		
L	0.161	0.169	4.10	4.30		
М	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					

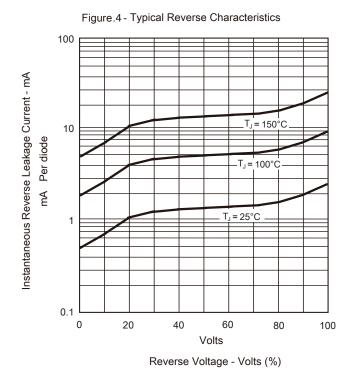


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