MBRH12020(R)

THRU

MBRH120100(R)

SCHOTTKY DIODE MODULE TYPES 120A / 20-100V

Features

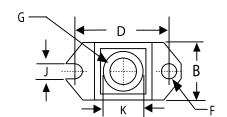
High Surge Capability Types Up to 100V VRRM 120 Amp Rectifier 20-100 Volts

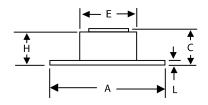
HALF PACK (D-67)

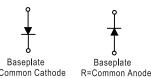
Maximum Ratings

Operating Temperature: -55°C to +150°C Storage Temperature: -55°C to +150°C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRH12020(R)	20V	14V	20V
MBRH12030(R)	30V	21V	30V
MBRH12035(R)	35V	25V	35V
MBRH12040(R)	40V	28V	40V
MBRH12045(R)	45V	32V	45V
MBRH12060(R)	60V	42V	60V
MBRH12080(R)	80V	57V	80V
MBRH120100(R)	100V	70V	100V







Ů,	
Baseplate	Baseplate
Common Cathode	R=Common Anode

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
Α	1.515	1.560	38.48	39.62	
В	.725	.775	18.42	19.69	
C	.595	.625	15.11	15.88	
D	1.182	1.192	30.02	30.28	
E	.736	.744	18.70	18.90	
F	.152	.160	3.86	4.061	Ø
G	G 1/4- 20 UNC				
Н	.540	.580	13.72	14.73	
J	.156	.160	3.96	4.06	
K	.480	.492	12.20	12.50	Ø
L	.120	.130	3.05	3.30	

Electrical Characteristics @ 25°C Unless Otherwise Specified

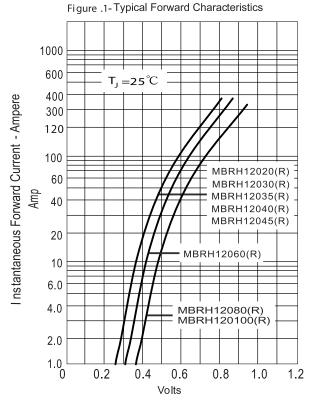
iooti ioai oilai aotoi ioti		- Children Canon micro operanion		
Average Forward Current (Per pkg)	 F(AV)	120A	TC=125°C	
Peak Forward Surge Current	FSM	2000A	8.3ms, half sine	
Maximum Instantaneous Forward Voltage 20V~45V 50V~60V 80V~100V	V_{F}	0.70V 0.75V 0.84V	l _{FM} =120 A;TJ=25°C	
Maximum NOTE (1) Instantaneous Reverse Current At Rated DC Blocking Voltage	I _R	1mA 10mA 30mA	TJ= 25 °C TJ=100 °C TJ=150 °C	
Maximum Thermal Resistance Junction To Case	Røjc	0.48°C/W		

NOTE:

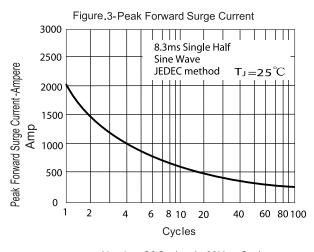
(1) Pulse Test: Pulse Width 300 μ sec, Duty<2%



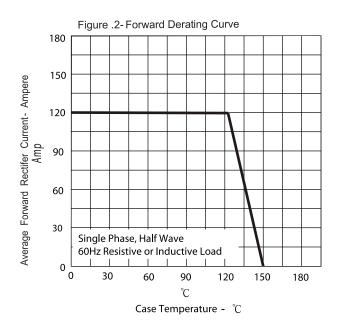
DACO SEMICONDUCTOR CO.,LTD. MBRH12020(R) THRU MBRH120100(R)



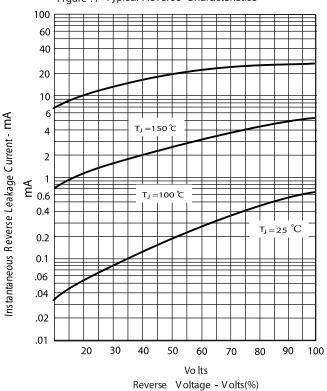
Instantaneous Forward Voltage - Volts



Number Of Cycles At 60Hz - Cycles







Oct. 2019

Disclaimer

DACO Semiconductor reserve the right to make modifications, enhancements, improvements, corrections or other changes without further notice to this document and any product described herein.

DACO Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does DACO Semiconductor assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages.

Purchasers is responsible for its products and applications using DACO Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by DACO Semiconductor. "Typical" parameters which may be provided in DACO Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts.

DACO Semiconductor products are not designed, authorized or warranted to be suitable for use in life support, life-critical or safety-critical systems or equipment, nor in applications where failure or malfunction of DACO Semiconductor's product can reasonably be expected to result in personal injury, death or severe property or environmental damage. DACO Semiconductor accept no liability for inclusion and/or use of DACO Semiconductor's products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk.

Purchasers buy or use DACO Semiconductor products for any such unintended or unauthorized application, Purchasers shall indemnify and hold DACO Semiconductor and its suppliers and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that DACO Semiconductor was negligent regarding the design or manufacture of the part.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or any information storage or retrieval system, or otherwise, without the prior written permission of DACO Semiconductor Co., Ltd.