



Micro Commercial Components Corp.

Complete Discrete Semiconductor Solutions

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Part Number	MB84
product family	BRIDGE RECTIFIERS
package type	BR-6
VRM(PRV)	400V
Ifsm	125A
IF(AV)	8.0A
@Vf	1.1V
@If	4.0A
Trr	
IR	10μA
@VR	400V
Package Qty	Bulk: 200pcs/Box, 1.6K/Ctn ;

This product is listed under the following categories where you may find similar products:
[Diodes](#)
[Bridge Rectifiers](#)



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MB805 THRU MB810

Features

- Mounting Hole For #6 Screw
- Any Mounting Position
- Surge Rating Of 125 Amps
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Lead Free Finish/RoHS Compliant (NOTE 1) ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

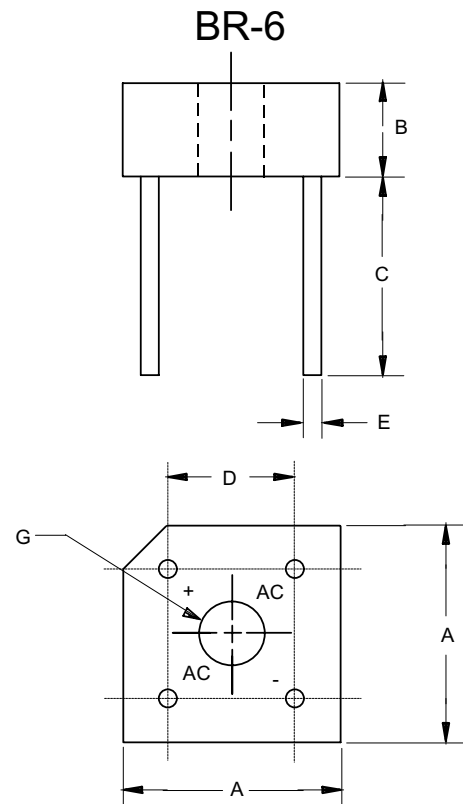
Microsemi Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MB805	MB805	50V	35V	50V
MB81	MB81	100V	70V	100V
MB82	MB82	200V	140V	200V
MB84	MB84	400V	280V	400V
MB86	MB86	600V	420V	600V
MB88	MB88	800V	560V	800V
MB810	MB810	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	8.0A	$T_C = 50^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	125A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.1V	$I_{FM} = 4.0\text{A}$ per element; $T_A = 25^\circ\text{C}$ (Note 2)
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10 μA 1mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$

- Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7
2. Pulse Test: Pulse Width 300usec, Duty Cycle 1%

8 Amp Single Phase Bridge Rectifier 50 to 1000 Volts



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.578	.618	14.69	15.71	2PL
B	.230	.270	5.84	6.86	
C	.750	---	19.10	---	
D	.405	.444	10.30	11.30	2PL
E	.038	.042	0.97	1.07	4PL/TYP
G	.145	---	3.70	---	Ø



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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;200pcs/Box

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