



Micro Commercial Components



Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

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

- Mounting Torque: 4.5 in-lbs
Operating Temperature: -55°C to +125°C
Storage Temperature: -55°C to +150°C
UL Recognized File # E165989

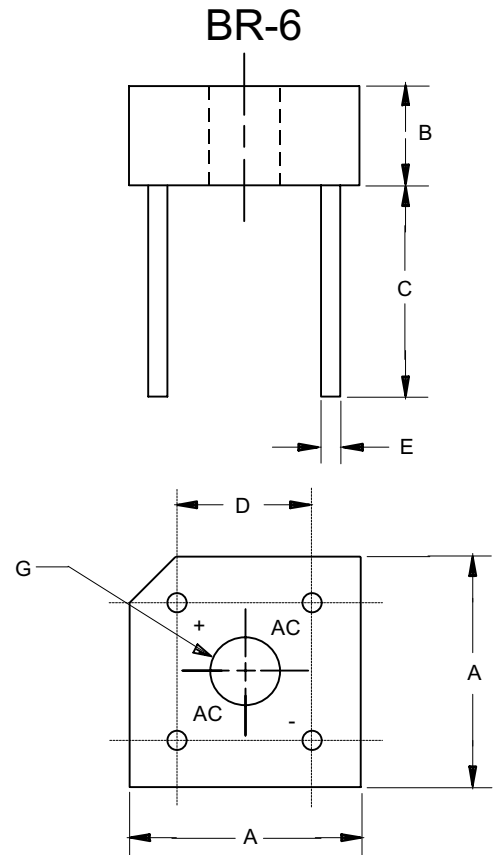
Table with 5 columns: Microsemi Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include MB805 through MB810.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward Current, Peak Forward Surge Current, Maximum Forward Voltage Drop Per Element, and Maximum DC Reverse Current At Rated DC Blocking Voltage.

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

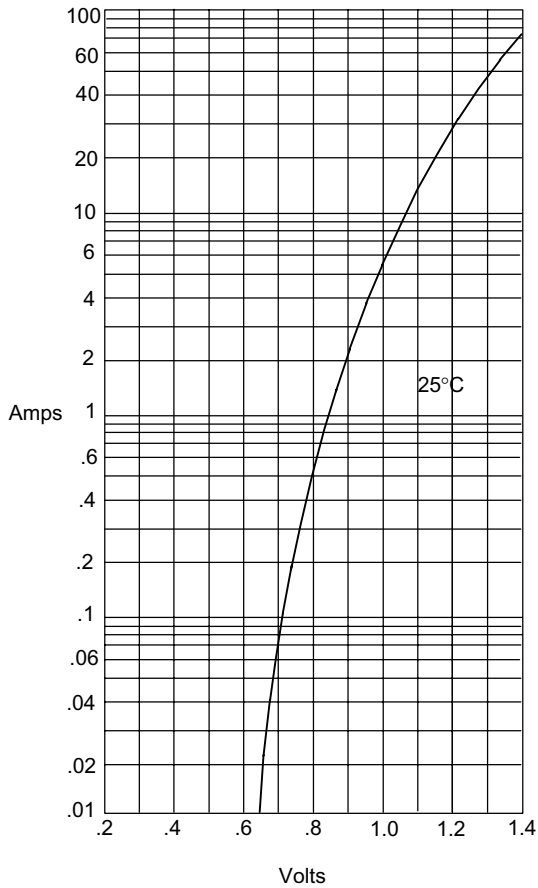
8 Amp Single Phase
Bridge Rectifier
50 to 1000 Volts



DIMENSIONS table with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows include dimensions A through G.

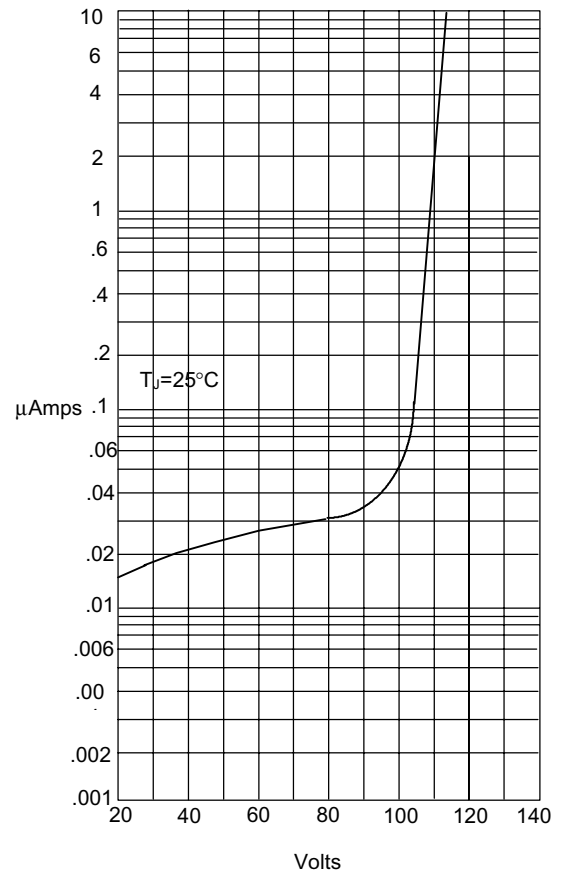
## MB805 thru MB810

Figure 1  
Typical Forward Characteristics



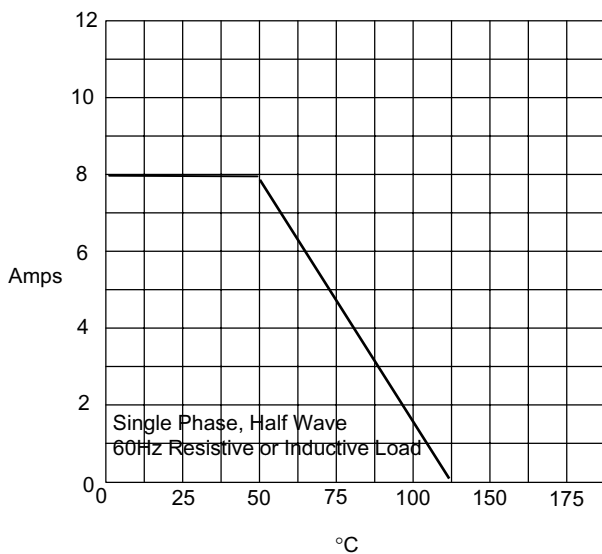
Instantaneous Forward Current - Amperes versus  
Instantaneous Forward Voltage - Volts

Figure 2  
Micro Commercial Components  
Typical Reverse Characteristics



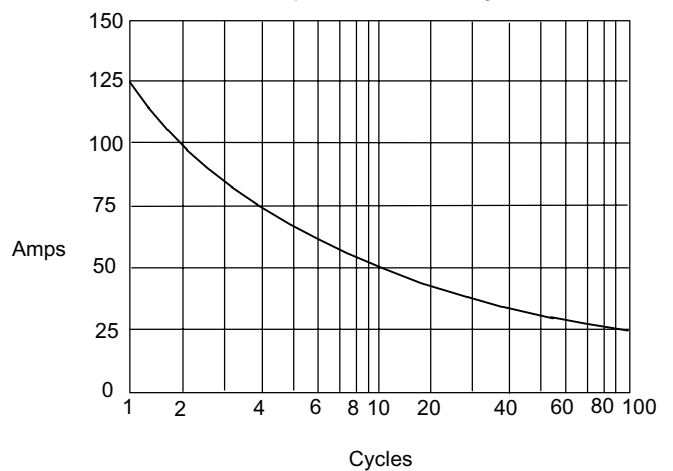
Instantaneous Reverse Leakage Current - MicroAmperes versus  
Percent Of Rated Peak Reverse Voltage - Volts

Figure 3  
Forward Derating Curve



Average Forward Rectified Current - Amperes versus  
Ambient Temperature - °C

Figure 4  
Maximum Non-Repetitive Forward Surge Current



Peak Forward Surge Current - Amperes versus  
Number Of Cycles At 60Hz - Cycles



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## Ordering Information

Device (Part Number)-BP	Packing Bulk;1.6K/Ctn
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