



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components



Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
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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

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

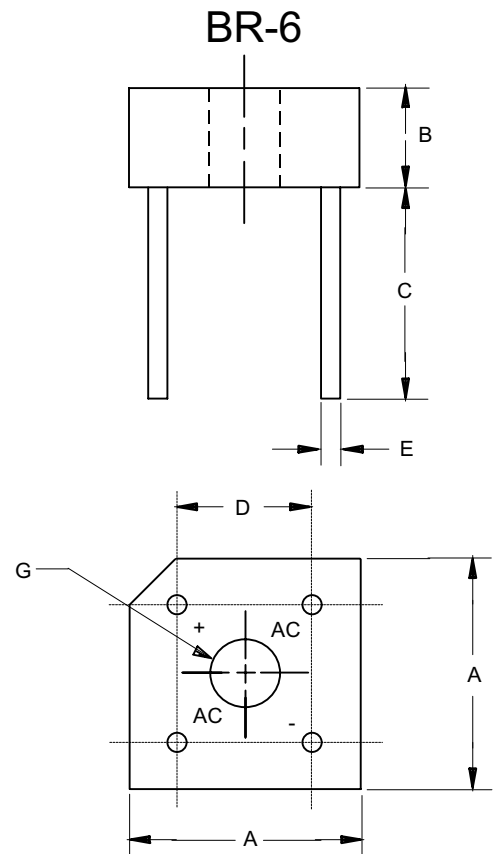
Table with 5 columns: Microsemi Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include MB805 through MB810.

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%

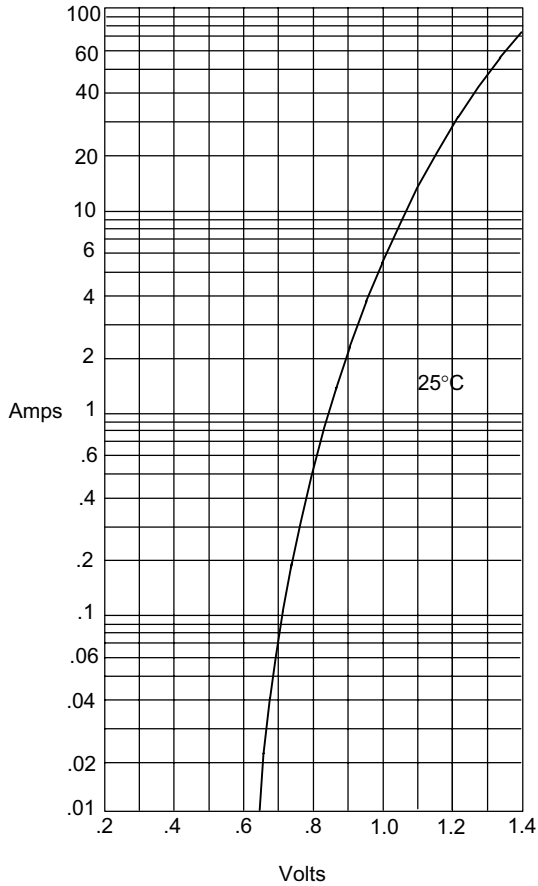
8 Amp Single Phase
Bridge Rectifier
50 to 1000 Volts



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

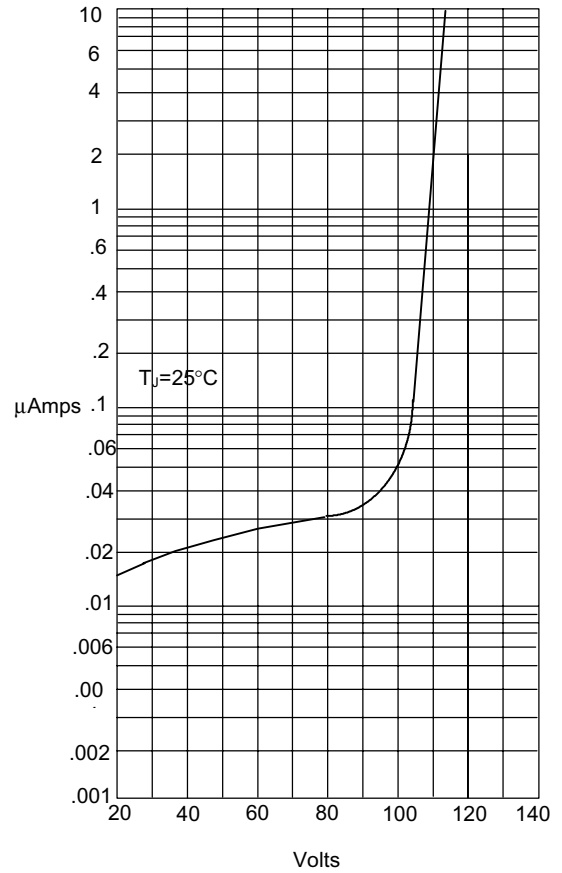
MB805 thru MB810

Figure 1
Typical Forward Characteristics



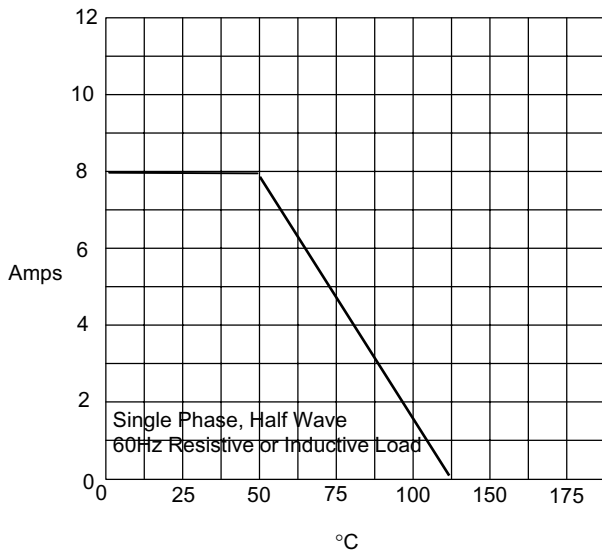
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2 **Micro Commercial Components**
Typical Reverse Characteristics



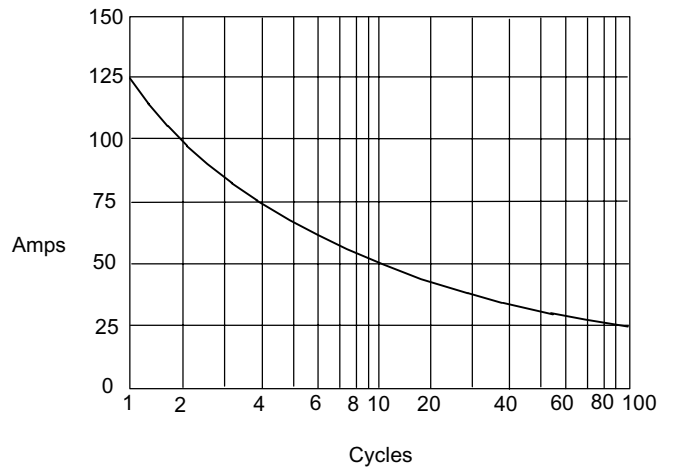
Instantaneous Reverse Leakage Current - MicroAmperes *versus*
Percent Of Rated Peak Reverse Voltage - Volts

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



Micro Commercial Components

Ordering Information

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

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