

Obsolete

M.C.C.

Micro Commercial Components

RoHS COMPLIANT

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MP2505
THRU
MP2510

Features

- Mounting Hole For #8 Screw
Plastic Case With Metal Bottom
Any Mounting Position
Surge Rating Of 300 Amps
UL Recognized File # E165989
Halogen free available upon request by adding suffix "-HF"
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

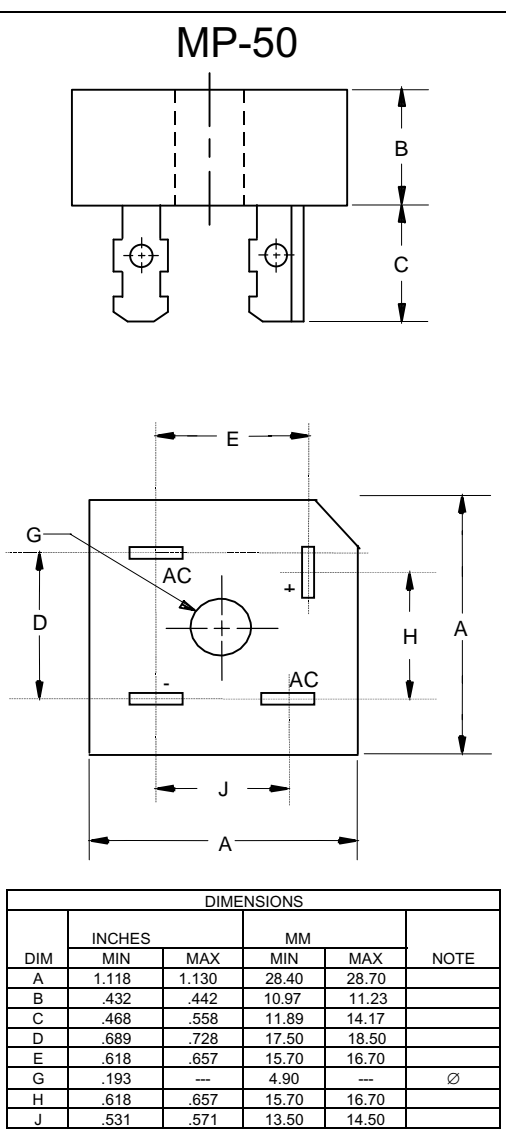
- Operating Temperature: -55°C to +150°C
Storage Temperature: -55°C to +150°C
Mounting Torque: 20 in-lbs Maximum

Table with 5 columns: MCC Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include MP2505, MP251, MP252, MP254, MP256, MP258, and MP2510.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Conditions. Parameters include Average Forward Current, Peak Forward Surge Current, Maximum Forward Voltage Drop Per Element, Maximum DC Reverse Current At Rated DC Blocking Voltage, and I²t Rating for Fusing.

25 Amp Single Phase Bridge Rectifier
50 to 1000 Volts

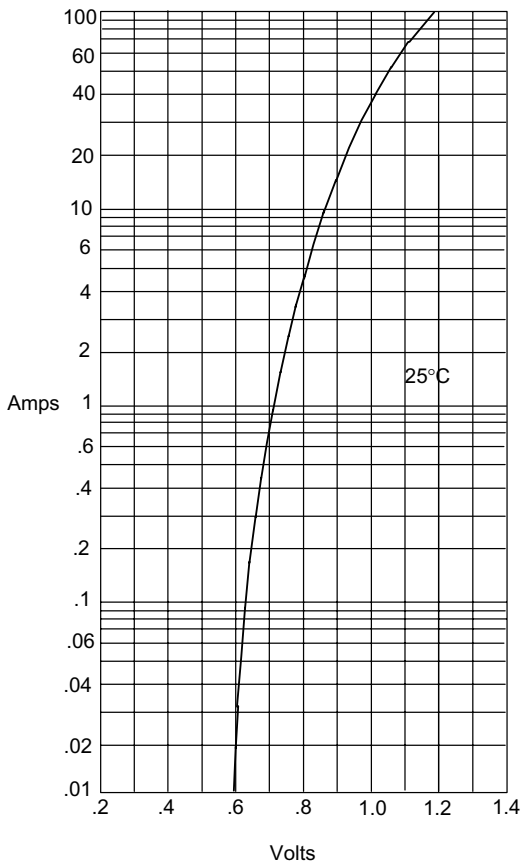


Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

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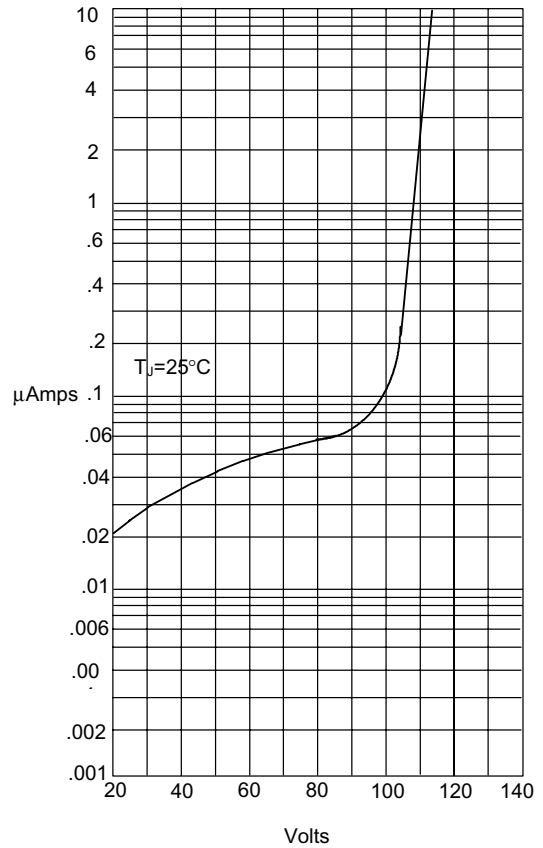
MP2505 thru MP2510

Figure 1
Typical Forward Characteristics



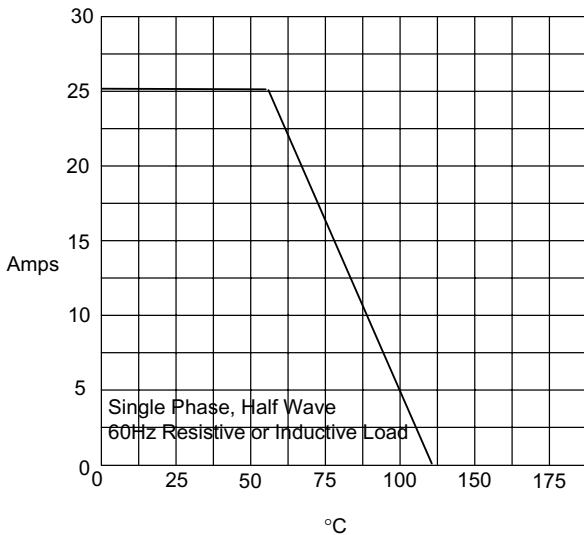
Instantaneous Forward Current - Amperes versus Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



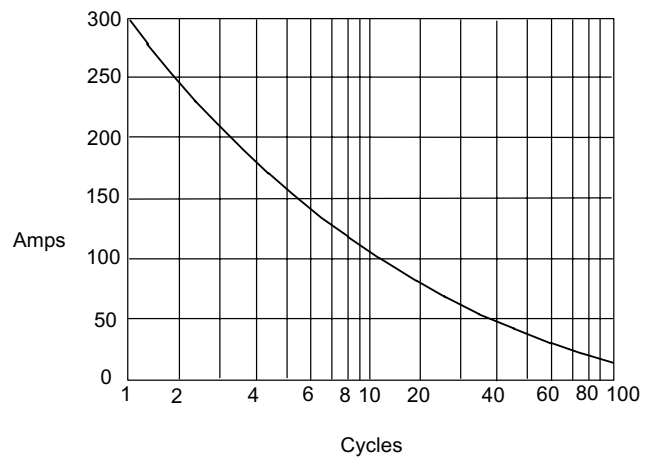
Instantaneous Reverse Leakage Current - MicroAmperes versus Percent Of Rated Peak Reverse Voltage - Volts

Figure 3
Forward Derating Curve



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

Figure 4
Peak Forward Surge Current



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



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Ordering Information

Device	Packing
(Part Number)-BP	Bulk; 400Pcs/Ctn

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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