

Obsolete

MCC

Micro Commercial Components

Micro Commercial Components
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2W005G
THRU
2W10G

Features

- Low Profile Package
Glass Passivated Die
Silver Plated Copper Leads
Surge Overload Rating Of 60 Amps
UL Recognized File # E165989
Case Material: Molded Plastic. UL Flammability
Classification Rating 94V-0

Maximum Ratings

- Operating Temperature: -55°C to +125°C
Storage Temperature: -55°C to +150°C
Typical Thermal Resistance Of 40°C/W Junction To Ambient

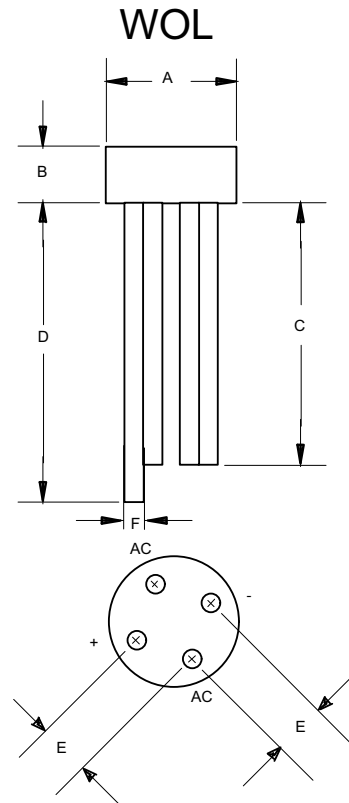
Table with 5 columns: MCC Part Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include 2W005G, 2W01G, 2W02G, 2W04G, 2W06G, 2W08G, 2W10G.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, 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.

\*Pulse test: Pulse width 300 µsec, Duty cycle 2%

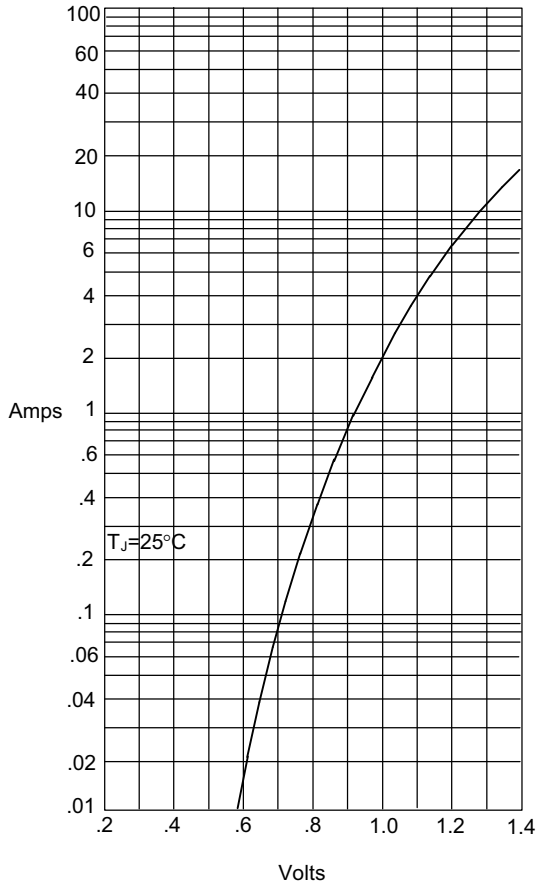
2 Amp Single Phase
Bridge Rectifier
50 to 1000 Volts



DIMENSIONS table with columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows include dimensions A through F.

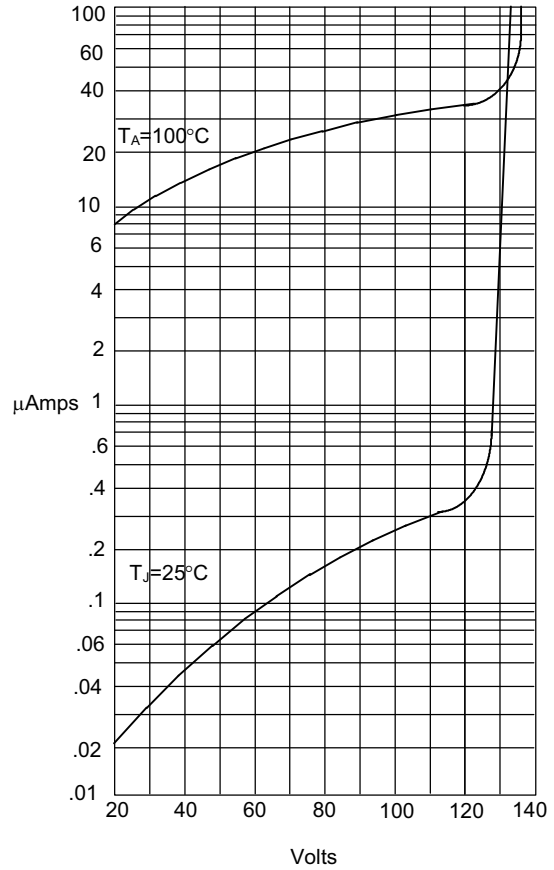
# 2W005G thru 2W10G

Figure 1  
Typical Forward Characteristics



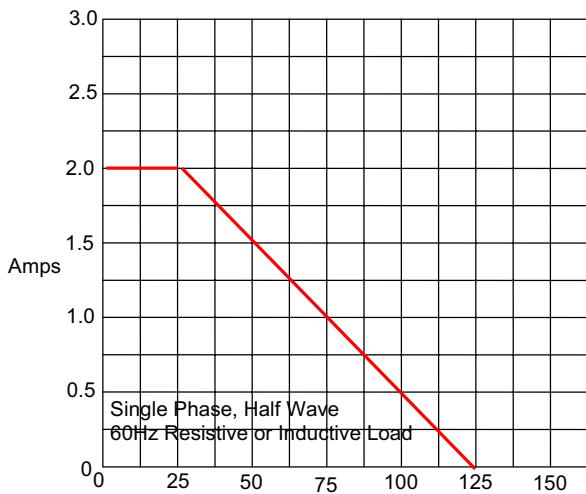
Instantaneous Forward Current - Amperes versus  
Instantaneous Forward Voltage - Volts

Figure 2  
Typical Reverse Characteristics



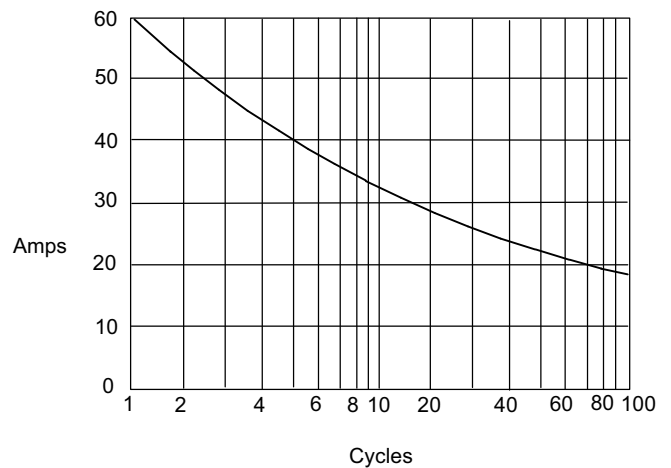
Instantaneous Reverse Leakage Current - MicroAmperes versus  
Percent Of Rated Peak Reverse Voltage - Volts

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



TM

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