Micro Commercial Components

Micro Commercial Components Corp.

Products End of Life Notification

Issue date: Feb-11th-2010

EOL No#: 021110

Last Buy Date : N/A

Description and Purpose:

MCC has undergone a review of its core business and products , and determined to discontinue below products:

Discontinued Devices	Possible Replacements
W005G~W10G	N/A
2W005~2W10	N/A
2W005G~2W10G	N/A

Obsolete

Micro Commercial Components
20736 Marilla Street Chatsworth
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2W005G THRU 2W10G

2 Amp Single Phase Bridge Rectifier 50 to 1000 Volts

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

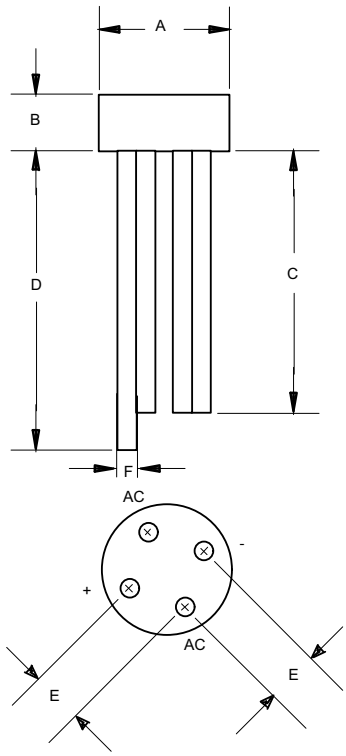
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
2W005G	2W005G	50V	35V	50V
2W01G	2W01G	100V	70V	100V
2W02G	2W02G	200V	140V	200V
2W04G	2W04G	400V	280V	400V
2W06G	2W06G	600V	420V	600V
2W08G	2W08G	800V	560V	800V
2W10G	2W10G	1000V	700V	1000v

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	T_J = 25°C
Peak Forward Surge Current	I_{FSM}	60A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.1V	I_{FM} = 2.0A; T_J = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10μA 1mA	T_J = 25°C T_J = 100°C

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

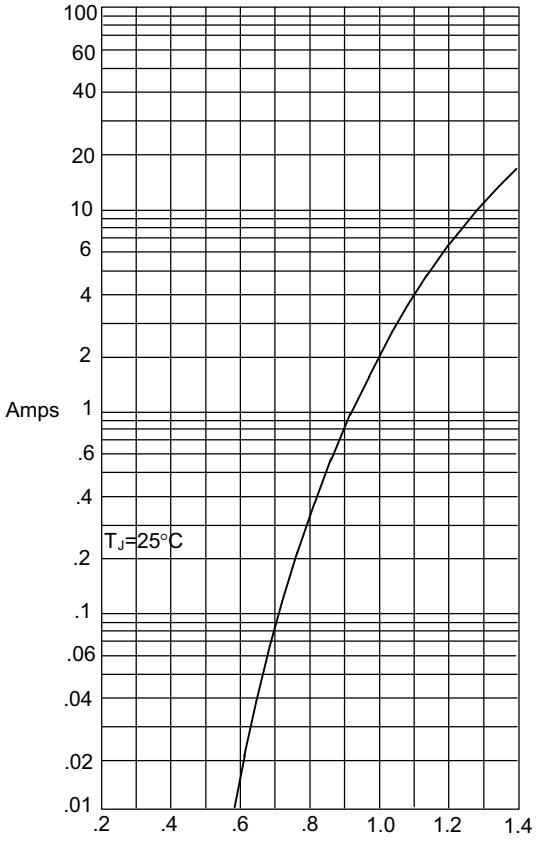
WOL



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	---	.378	---	9.60	
B	---	.291	---	7.40	
C	1.000	---	25.40	---	
D	1.098	---	27.90	---	
E	.180	.220	4.60	5.60	
F	.028	.032	0.71	0.81	

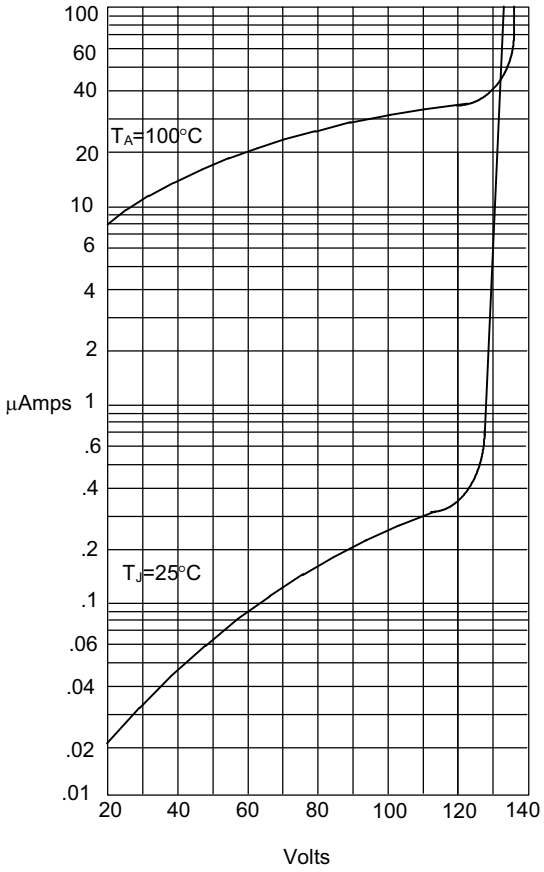
2W005G thru 2W10G

Figure 1
Typical Forward Characteristics



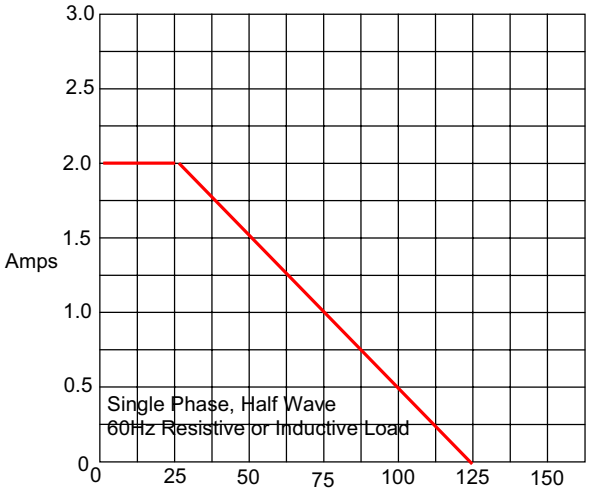
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



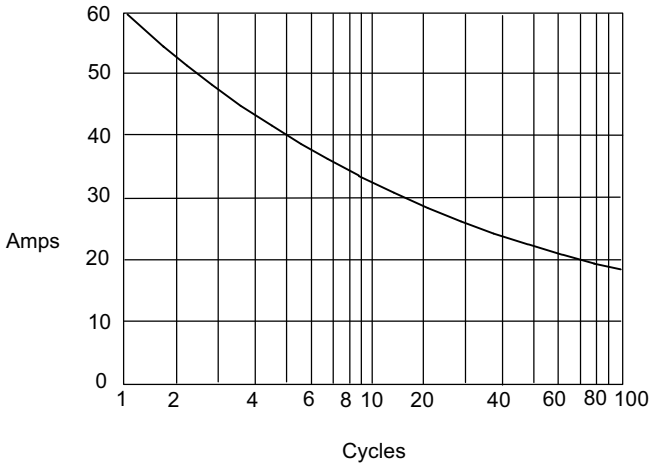
Instantaneous Reverse Leakage Current - MicroAmperes *versus*
Percent Of Rated Peak Reverse Voltage - Volts

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

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