



Micro Commercial Components

Micro Commercial Components Corp.

Products End of Life Notification

Issue date: Jan-1th-2010

Last Buy Date : Apr-29th-2010

Description and Purpose:

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

Discontinued Devices	Possible Replacements
RS401L	RS401GL
RS402L	RS402GL
RS403L	RS403GL
RS404L	RS404GL
RS405L	RS405GL
RS406L	RS406GL
RS407L	RS407GL

www.mccsemi.com



Micro Commercial Components

Micro Commercial Components
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**RS401L
 THRU
 RS407L**

Features

- Low Leakage and Low Forward Voltage
- Silver Plated Copper Leads
- Any Mounting Position
- Lead Free Finish/RoHS Compliant (NOTE 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

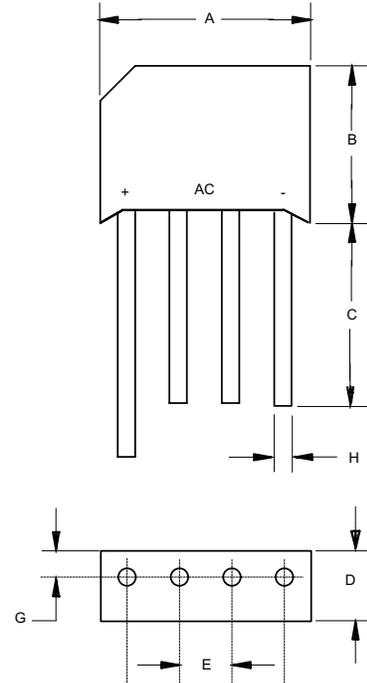
**4 Amp Single Phase
 Bridge Rectifier
 50 to 1000 Volts**

Maximum Ratings

- Operating Temperature(Tj): -55°C to +125°C
- Storage Temperature(Tstg): -55°C to +150°C
- Typical Thermal Resistance per leg (Rthja): 19°C/W.
- Typical Thermal Resistance per leg (RthjL): 2.4°C/W.

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RS401L	RS401L	50V	35V	50V
RS402L	RS402L	100V	70V	100V
RS403L	RS403L	200V	140V	200V
RS404L	RS404L	400V	280V	400V
RS405L	RS405L	600V	420V	600V
RS406L	RS406L	800V	560V	800V
RS407L	RS407L	1000V	700V	1000V

RS - 4L



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	4.0A	$T_A = 50^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	200A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.1V	$I_{FM} = 3.0A;$ $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10µA 1.0mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$

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

DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.728	.768	18.50	19.50	
B	.600	.640	15.20	16.30	
C	.750	---	19.00	---	
D	.236	.256	6.00	6.50	
E	.180	.220	4.60	5.60	
G	-----	.083	-----	2.10	
H	.048	.052	1.20	1.30	

RS401L thru RS407L

Figure 1
Typical Forward Characteristics

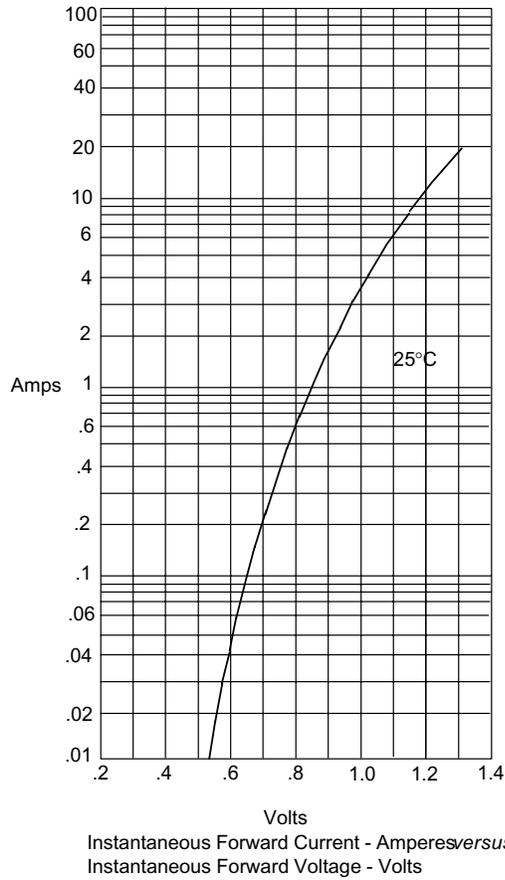


Figure 2
Typical Reverse Characteristics

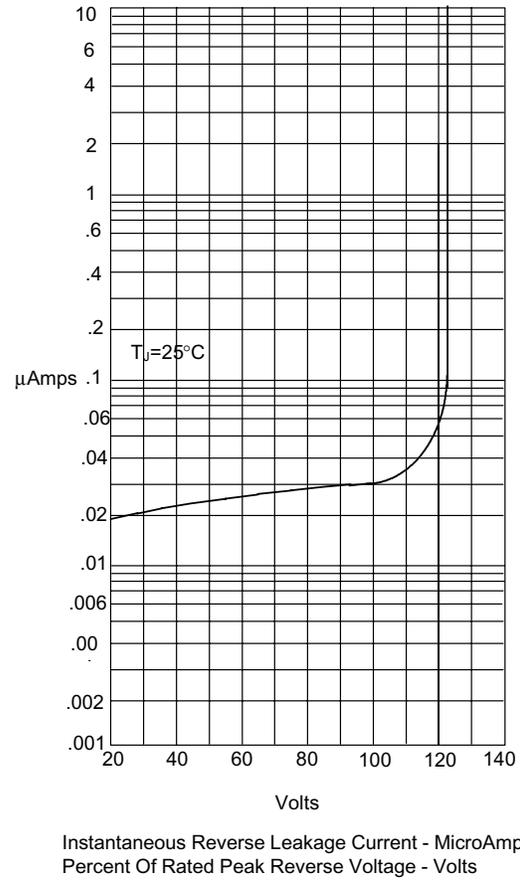


Figure 3
Forward Derating Curve

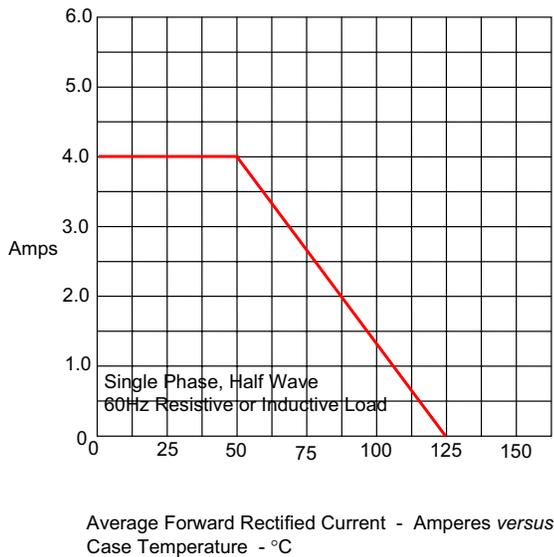
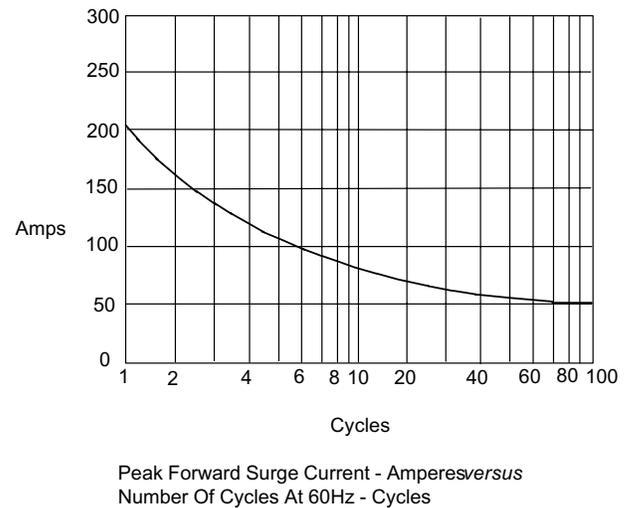


Figure 4
Peak Forward Surge Current





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Ordering Information

Device (Part Number)-BP	Packing Bulk;300pcs/Box
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