



Micro Commercial Components



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RS401GL THRU RS407GL

Features

- Halogen free available upon request by adding suffix "-HF"
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability
- Silver plated copper leads
- 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

- Marking: Type Number
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

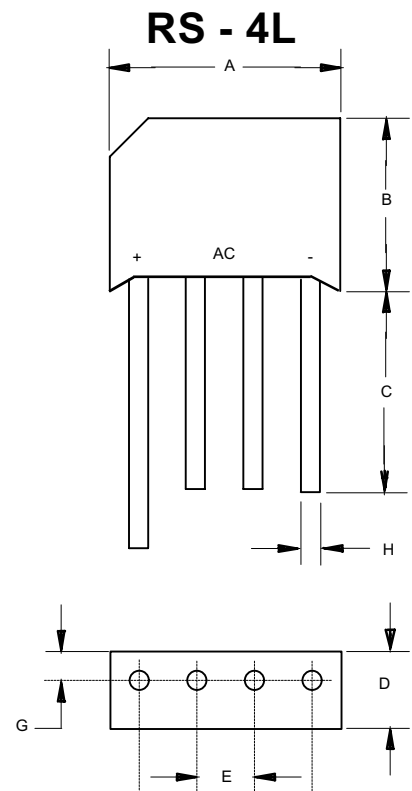
| MCC Catalog Number | Device Marking | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------|----------------|--|---------------------|-----------------------------|
| RS401GL | RS401GL | 50V | 35V | 50V |
| RS402GL | RS402GL | 100V | 70V | 100V |
| RS403GL | RS403GL | 200V | 140V | 200V |
| RS404GL | RS404GL | 400V | 280V | 400V |
| RS405GL | RS405GL | 600V | 420V | 600V |
| RS406GL | RS406GL | 800V | 560V | 800V |
| RS407GL | RS407GL | 1000V | 700V | 1000V |

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 | $I_{FM} = 4.0\text{A}; T_A = 25^\circ\text{C}$ (Note 2) |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 5 μA 100 μA | $T_A = 25^\circ\text{C}$ $T_A = 125^\circ\text{C}$ |
| Typical Thermal Resistance(Note 3) | R_{thJL} | 2.4°C/W | |

- Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7
2. Pulse Test: Pulse Width 300usec, Duty Cycle 1%
3. Unit mount on P.C.B. 0.6" x 0.6" (16mmx16mm) Copper pads

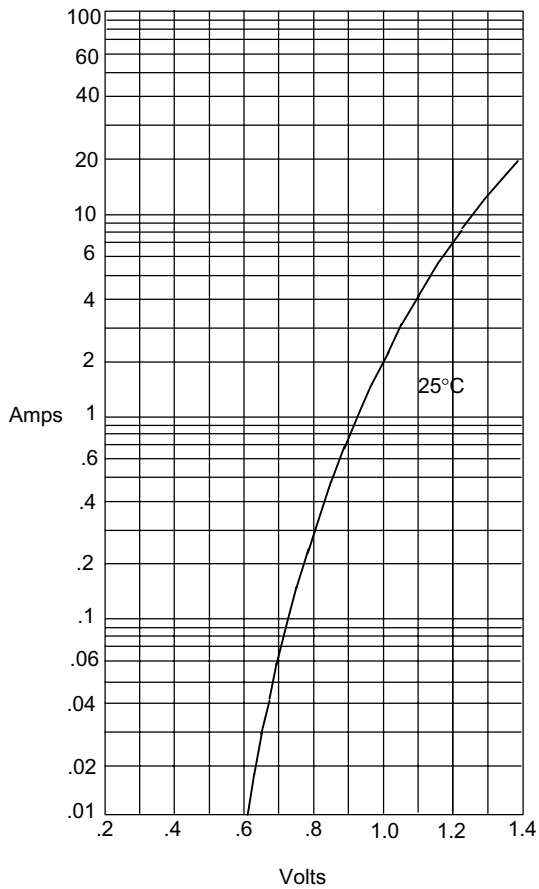
4 Amp Single Phase Glass Passivated Bridge Rectifier 50 to 1000 Volts



| DIM | INCHES | | MM | | NOTE |
|-----|--------|------|-------|-------|------|
| | MIN | MAX | MIN | MAX | |
| 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 | |

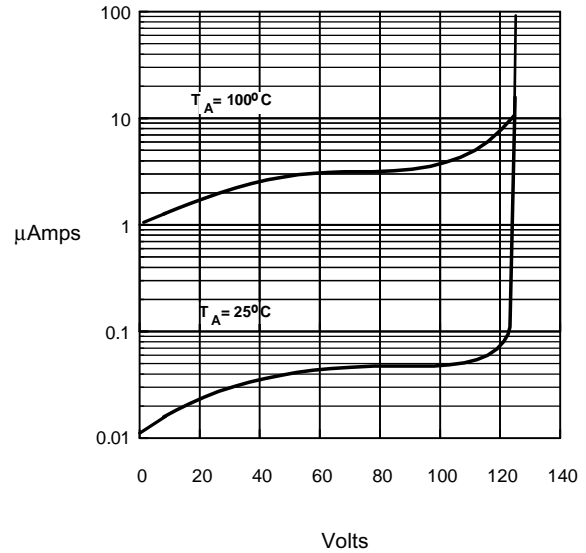
RS401GL thru RS407GL

Figure 1
Typical Forward Characteristics



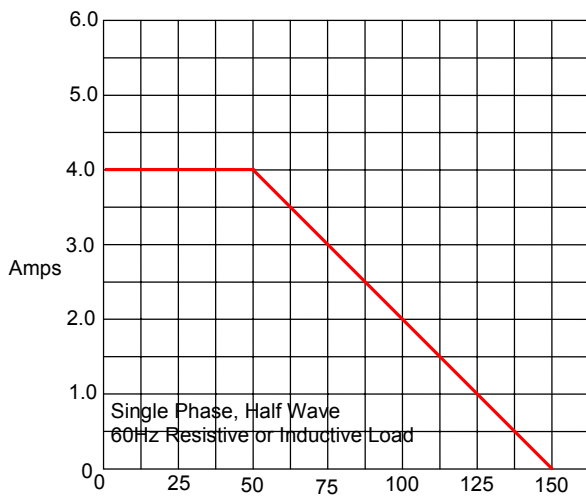
Instantaneous Forward Current - Amperes *versus* Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



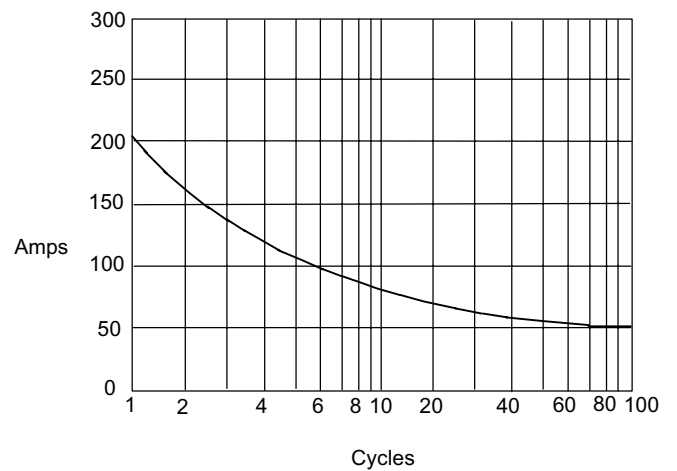
Instantaneous Reverse Leakage Current - MicroAmperes *versus* Percent Of Rated Peak Reverse Voltage - Volts

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;2K/Ctn |

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

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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