



**Micro Commercial Components**

Micro Commercial Components  
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**W005G  
THRU  
W10G**

**Features**

- High Current Capability, Ideal for printed circuit boards
- UL Recognized File # E165989
- High Temperature Soldering: 260°C for 10 seconds
- Reliable low cost construction technique results in inexpensive products
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

**Maximum Ratings**

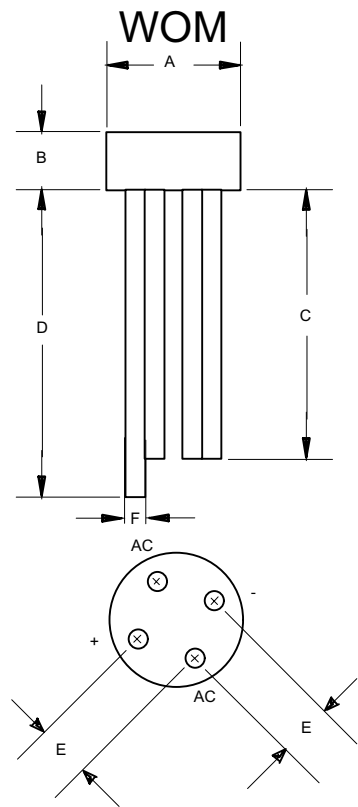
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- For capacitive load. Derate current by 20%

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

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

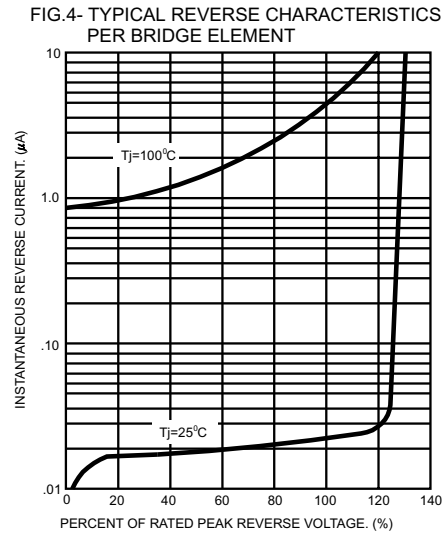
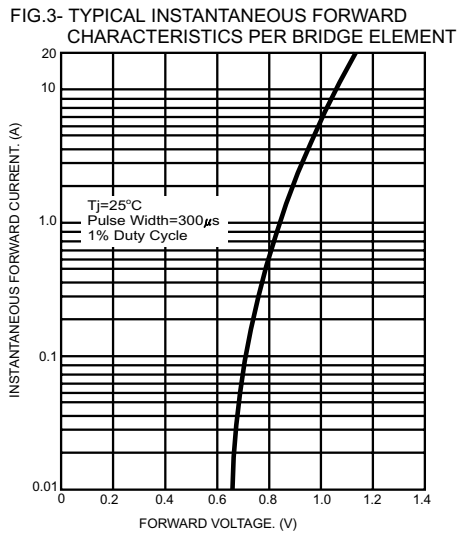
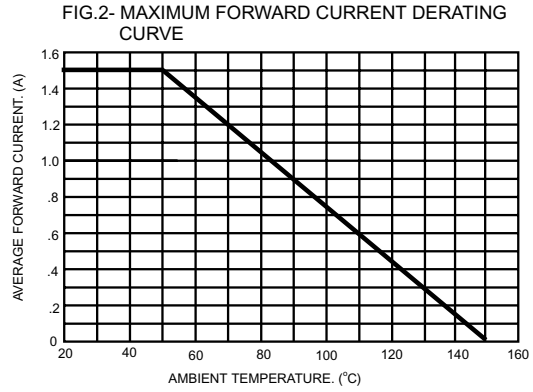
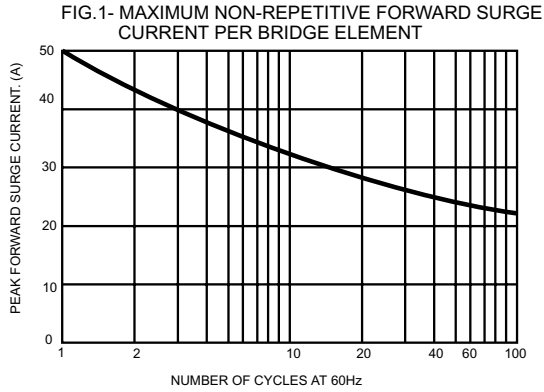
|   |             |               |   |
|---|-------------|---------------|---|
| Average Forward Current                                 | $I_{F(AV)}$ | 1.5 A         | $T_a = 50^\circ\text{C}$                              |
| Peak Forward Surge Current                              | $I_{FSM}$   | 50A           | 8.3ms, half sine                                      |
| Maximum Instantaneous Forward Voltage                   | $V_F$       | 1.10V         | $I_{FM} = 1.0A;$<br>$T_C = 25^\circ\text{C}$          |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | $I_R$       | 10µA<br>500µA | $T_C = 25^\circ\text{C}$<br>$T_C = 125^\circ\text{C}$ |

**1.5Amp Glass  
Passivated Bridge  
Rectifier  
50 to 1000 Volts**



| DIM | INCHES |      | MM    |      | NOTE |
|-----|--------|------|-------|------|------|
|     | MIN    | MAX  | MIN   | MAX  |      |
| A   | ----   | .358 | ----- | 9.10 |      |
| B   | ----   | .225 | ----- | 5.70 |      |
| C   | .866   | ---  | 22.00 | ---  |      |
| D   | .945   | ---  | 24.00 | ---  |      |
| E   | .180   | .220 | 4.60  | 5.60 |      |
| F   | .028   | .032 | 0.71  | 0.81 |      |

# W005G thru W10G





TM

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