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**W005G
THRU
W10G**

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

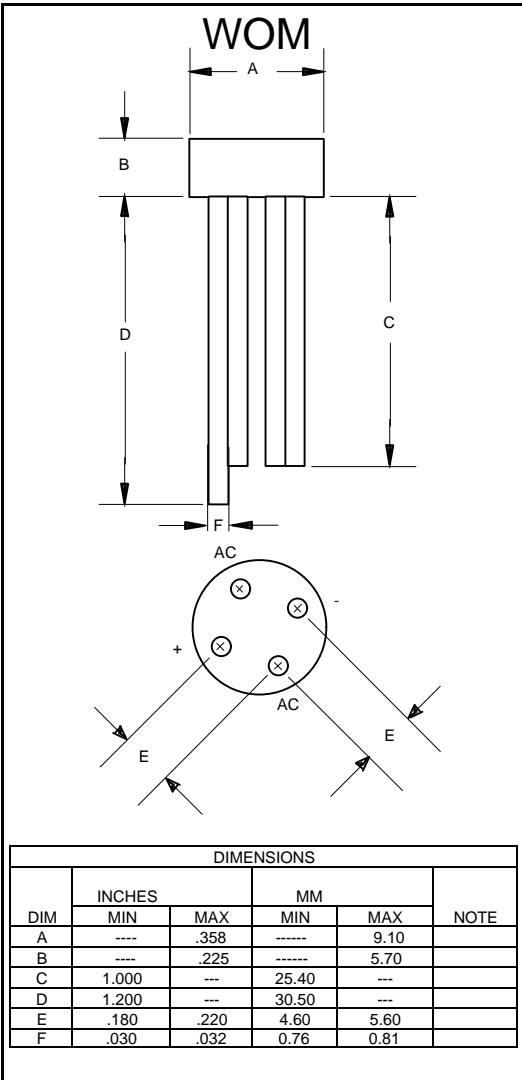
Features

- High Current Capability
- Ideal for printed circuit boards
- High Temperature Soldering: 260°C for 10 seconds
- Reliable low cost construction technique results in inexpensive products

Maximum Ratings

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

| 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 | $T_C = 50^\circ C$ |
| Peak Forward Surge Current | I_{FSM} | 50A | 8.3ms, half sine |
| Maximum Instantaneous Forward Voltage | V_F | 1.10V | $I_{FM} = 1.0A;$ $T_C = 25^\circ C$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 10μA 500uA | $T_C = 25^\circ C$ $T_C = 125^\circ C$ |

W005G thru W10G

