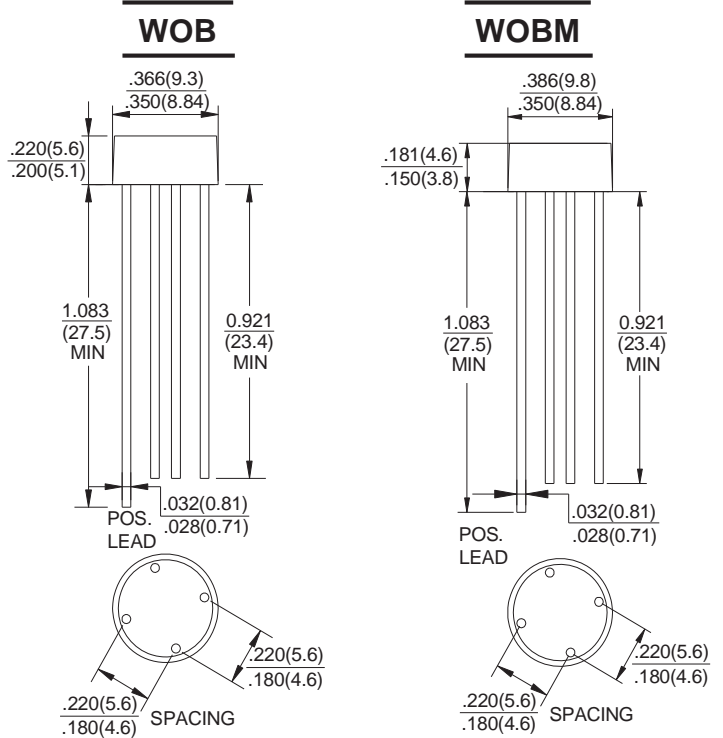


GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT - 1.5 Amperes

FEATURES

- Surge overload rating -50 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in expensive product
- Mounting Position :Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

| CHARACTERISTICS | SYMBOL | W005G | W01G | W02G | W04G | W06G | W08G | W10G | UNIT | |
|--|-------------------|-----------------------|-------|-------|-------|-------|-------|-------|------------------|----|
| | | W005MG | W01MG | W02MG | W04MG | W06MG | W08MG | W10MG | | |
| Maximum Recurrent Peak Reverse Voltage | V _{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V | |
| Maximum RMS Voltage | V _{RMS} | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V | |
| Maximum DC Blocking Voltage | V _{DC} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V | |
| Maximum Average Forward Rectified Current @T _A =25°C | I _(AV) | 1.5 | | | | | | | A | |
| Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load | I _{FSM} | 50 | | | | | | | A | |
| I ² t Rating for Fusing (t<8.3ms) | I ² t | 5.0 | | | | | | | A ² s | |
| Maximum Forward Voltage Drop Per Element at 1.5A Peak | V _F | 1.1 | | | | | | | V | |
| Maximum Reverse Current at Rated DC Blocking Voltage T _J =25°C | I _R | 10.0 | | | | | | | µA | |
| | | T _J =100°C | | | | | | | 1.0 | mA |
| Operating Temperature Range | T _J | -55 to +150 | | | | | | | °C | |
| Storage Temperature Range | T _{STG} | -55 to +150 | | | | | | | °C | |

FIG.1-MXIMUM NON-REPETITIVE SURGE CURRENT

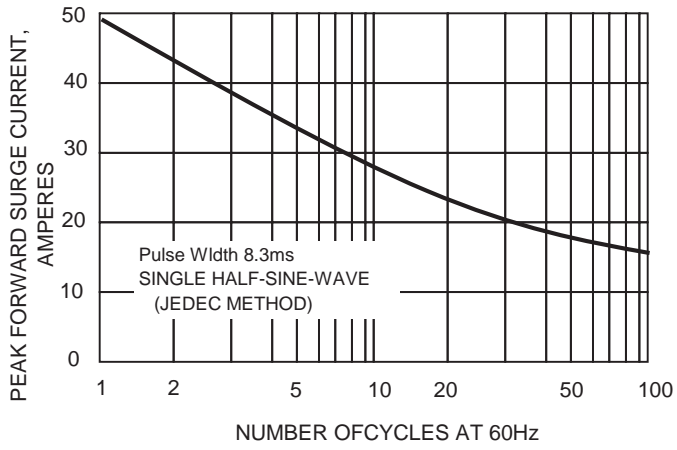


FIG.2-DERATING CURVE OUTPUT RECTIFIED CURRENT

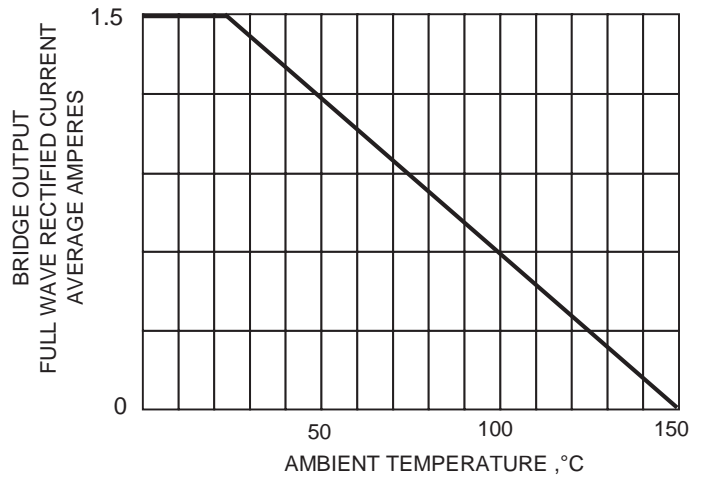


FIG.3-TYPICAL FORWARD CHARACTERISTICS

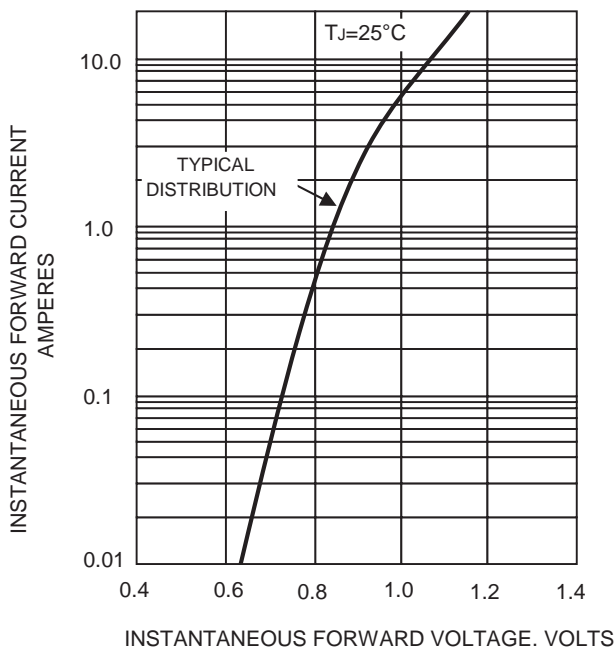


FIG.4-TYPIACL REVERSE CHARACTERISTICS

