



2W0XG/2W0XMG SERIES

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|--|---|
| GLASS PASSIVATED BRIDGE RECTIFIERS | REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 2.0 Amperes |
| FEATURES <ul style="list-style-type: none"> ● Surge overload rating -60 amperes peak ● Ideal for printed circuit board ● Reliable low cost construction utilizing molded plastic technique results in expensive product ● Mounting Position :Any ● Lead:sliver plated copper lead. | <p style="text-align: center;">Dimensions in inches and (millimeters)</p> |

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 | 2W005G | 2W01G | 2W02G | 2W04G | 2W06G | 2W08G | 2W10G | UNIT |
|--|-------------------|-------------|--------|--------|--------|--------|--------|--------|------------------|
| | | 2W005MG | 2W01MG | 2W02MG | 2W04MG | 2W06MG | 2W08MG | 2W10MG | |
| Maximum Recurrent Peak Reverse Voltage | V _{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Bridge Input 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) | 2.0 | | | | | | | A |
| Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load | I _{FSM} | 60 | | | | | | | A |
| I ² t Rating for Fusing (t<8.3ms) | i ² t | 15.0 | | | | | | | A ² s |
| Maximum Forward Voltage Drop per Element at 2.0A Peak | V _F | 1.1 | | | | | | | V |
| Maximum Reverse Current at Rated DC Blocking Voltage T _J =25°C | I _R | 10.0 | | | | | | | µA |
| | | 1.0 | | | | | | | mA |
| Typical Junction Capacitance Per Element (Note1) | C _J | 30 | | | | | | | pF |
| Operating Temperature Range | T _J | -55 to +150 | | | | | | | °C |
| Operating Temperature Range | T _{STG} | -55 to +150 | | | | | | | °C |

Note: 1 Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



RATING AND CHARACTERISTIC CURVES
2WOXG/2WOXMG SERIES



FIG.1-FORATING CURVE
 OUTPUT RECTIFIED CUURRENT

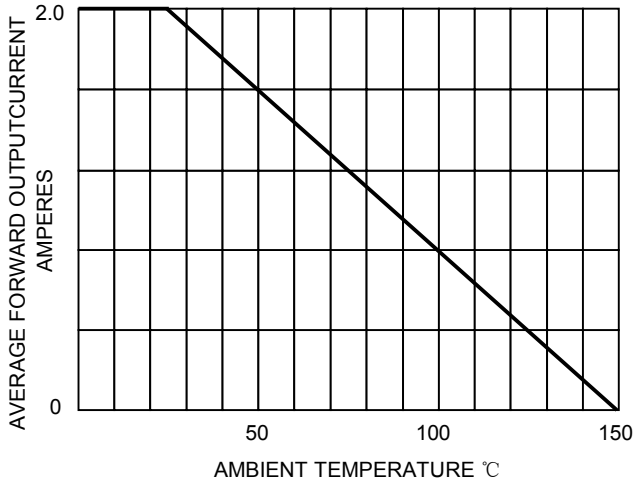


FIG.2-MAXIMUM NON-REPETITIVE PEAK
 FORWARD SURGE CURRENT

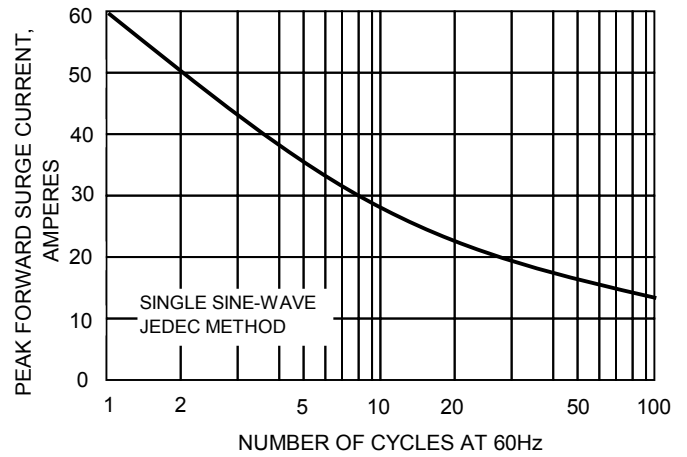


FIG.3-TYPIACL REVERSE CHARACTERISTICS

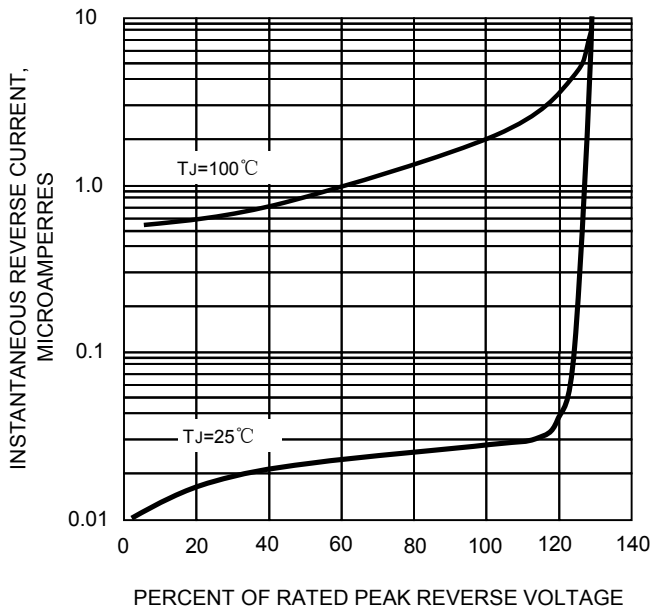


FIG.3-TYPICAL FORWARD
 CHARACTERISTICS

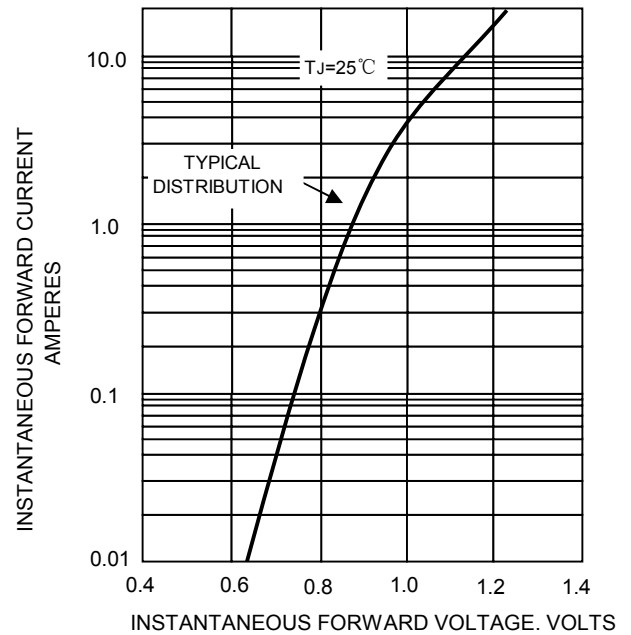


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

