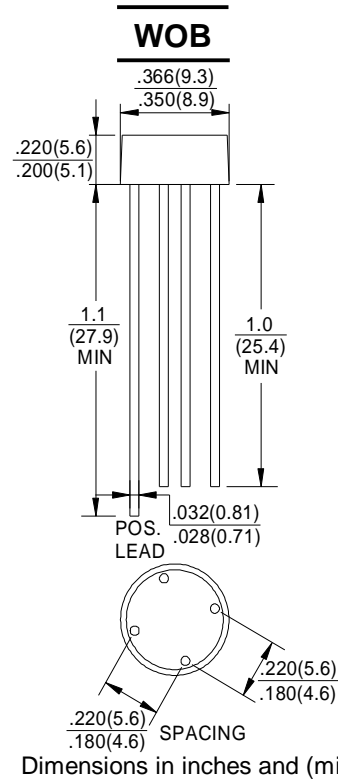


GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 2.0 Amperes

FEATURES

- 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: silver plated copper lead.



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
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 ,8.3m Single 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 Per Element T _A =25°C	I _R	10.0							uA
		1.0							mA
Maximum Temperature Voltage Drop per Element at 2.0A Peak	T _J T _{STG}	30							pF
Operating Temperature Range T _J	T _J	-55 to +150							°C
Operating Temperature Range T _{STG}	T _{STG}	-55 to +150							°C

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 4.0 volts.

RATING AND CHARACTERISTIC CURVES

2W005G thru 2W10G



FIG.1-FORATING CURVE
OUTPUT RECTIFIED CUURRENT

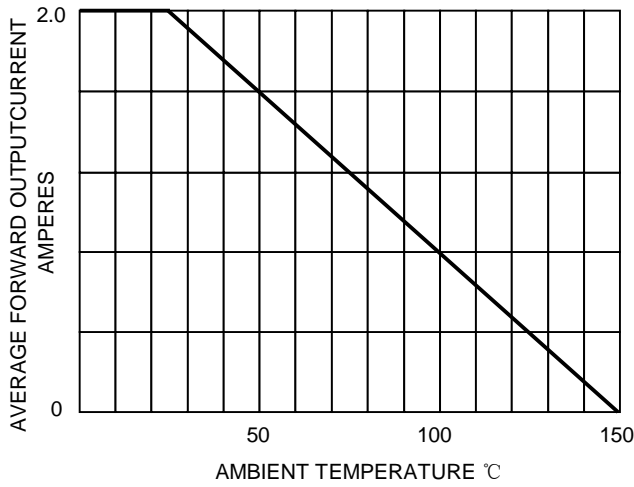


FIG.2-MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

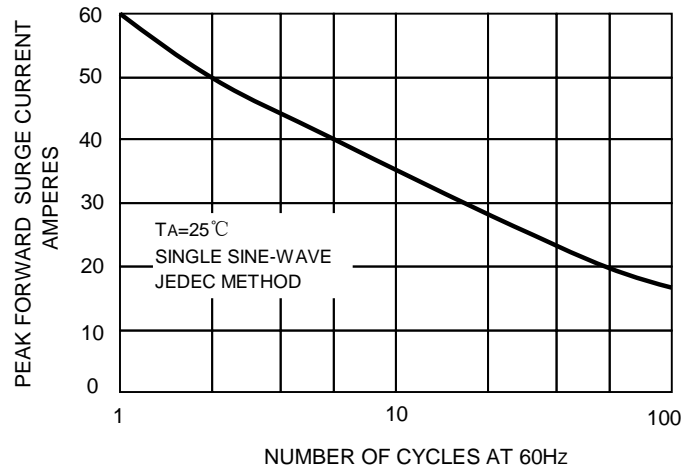


FIG.3-TYPIACL REVERSE CHARACTERISTICS

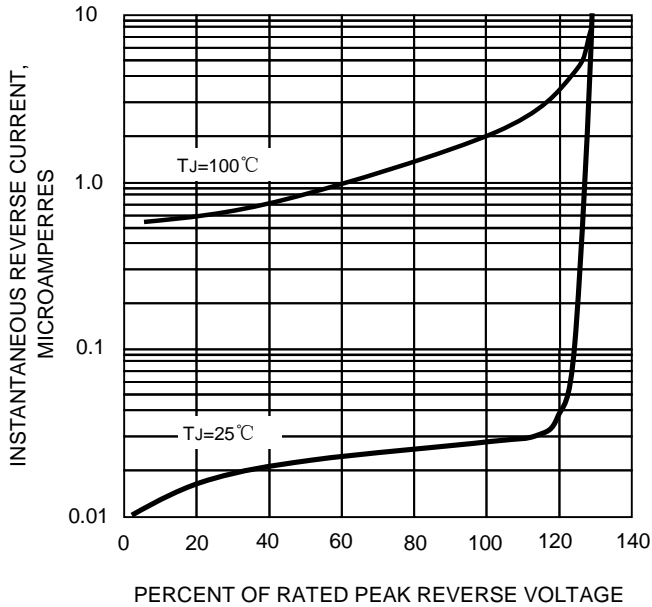


FIG.4-TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS

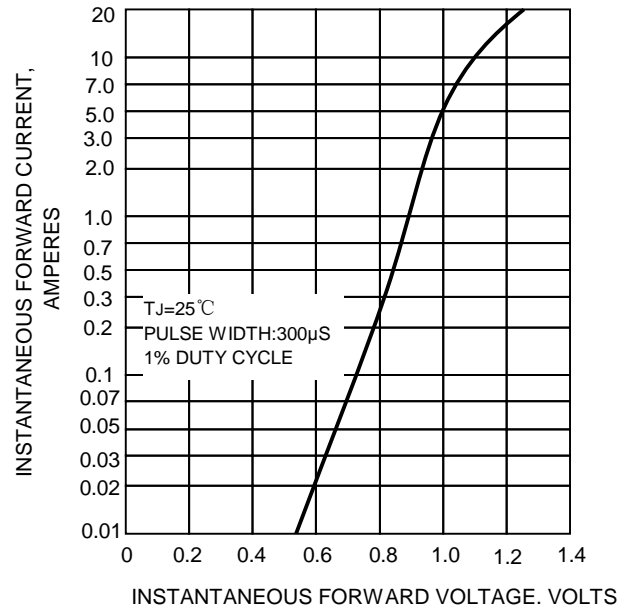


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

