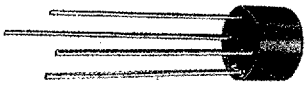
2W005G THRU 2W10G

SINGLE PHASE 2.0 AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS

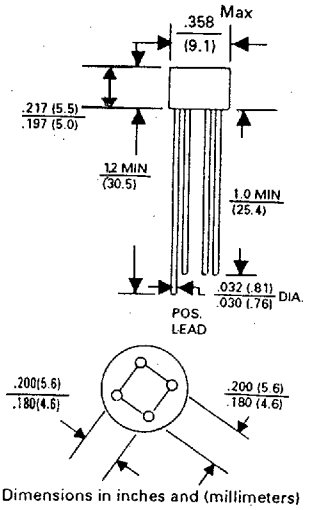


VOLTAGE RANGE
50 to 1000 Volts
CURRENT
2.0 Amperes

FEATURES

* UL Recognized File # E-96005
* High surge current capability
* Ideal for printed circuit board
* Reliable low cost construction technique results in inexpensive product
* High temperature soldering guaranteed: 250°C/10 seconds/.375", (9.5mm) lead lengths at 5 lbs., (2.3kg) tension
* Weight: 1.10 grams

WOB



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%

TYPE NUMBER	2W005G	2W01G	2W02G	2W04G	2W06G	2W08G	2W10G	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ T_A=50°C	2.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	50							A
Maximum Forward Voltage Drop per element at @ 10A	1.1							V
Maximum Reverse Current at Rated @ T_A=25°C D.C. Blocking Voltage per element @ T_A=125°C	10 500							μA μA
Operating Temperature Range Tj	-55 to +150							°C
Storage Temperature Range T_{STG}	-55 to +150							°C

NOTES: Fast Recovery Bridge Rectifier are also available

RATINGS AND CHARACTERISTIC CURVES (2W005G THRU 2W10G)

FIG.1:PEAK FORWARD SURGE CURRENT

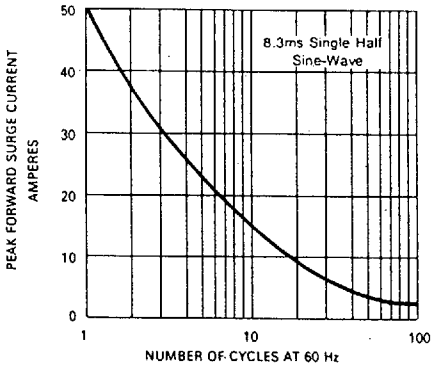


FIG.2:FORWARD DERATING CURVE
OUTPUT RECTIFIED CURRENT

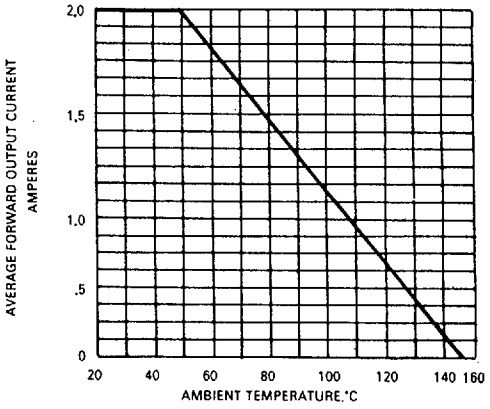


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

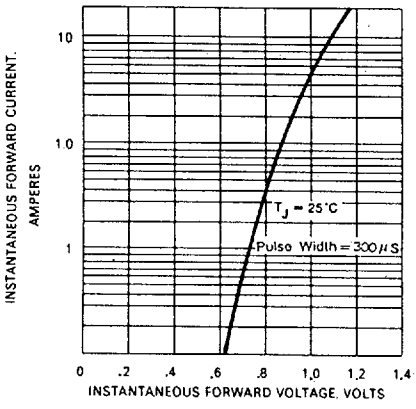


FIG.4-TYPICAL REVERSE
CHARACTERISTICS