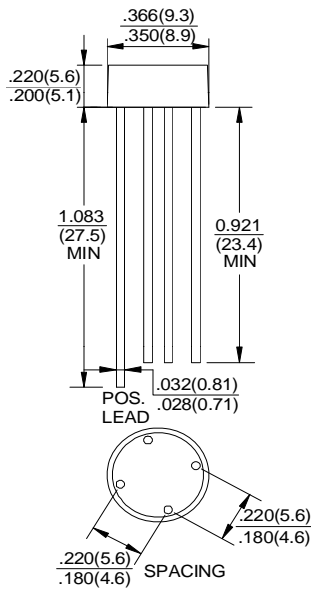




W005G thru W10G



GLASS PASSIVATED BRIDGE RECTIFIERS



WOB

Dimensions in inches and (millimeters)



PRIMARY CHARACTERISTICS	
I_F	1.5A
V_{RRM}	50~1000V
I_{FSM}	50A
V_F	1.1V
T_J max	150°C

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

MAXIMUM RATINGS (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	W005G	W01G	W02G	W04G	W06G	W08G	W10G	UNIT
Maximum repetitive 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 @TA=25°C	I_F	1.5							A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50.0							A
Maximum Forward Voltage Drop Per Element at 1.5A Peak	V_F	1.1							V
Maximum DC Reverse Current @ $T_J=25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_J=100^\circ\text{C}$	I_R	10.0 1.0							uA mA
I^2t Rating for Fusing ($t < 8.3\text{ms}$)	I^2t	15.0							A^2s
Operating Temperature Range	T_J	-55 to +150							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C



GLASS PASSIVATED BRIDGE RECTIFIERS

FIG.1-MXIMUM NON-REPETITIVE SURGE CURRENT

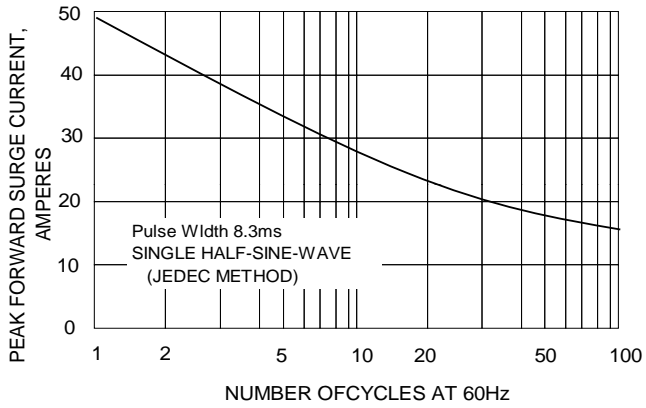


FIG.2-DERATING CURVE OUTPUT RECTIFIED CURRENT

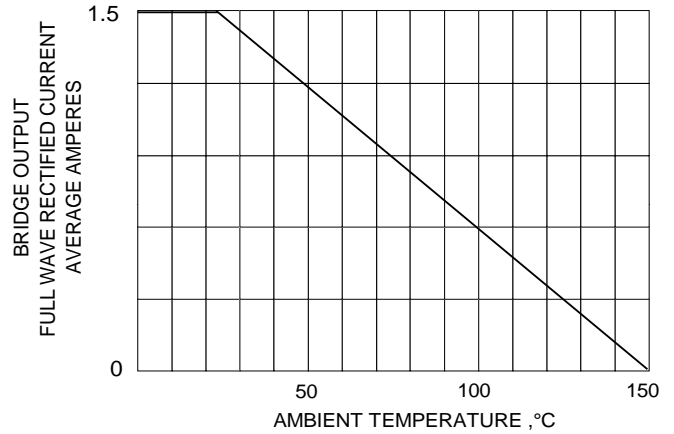


FIG.3-TYPICAL FORWARD CHARACTERISTICS

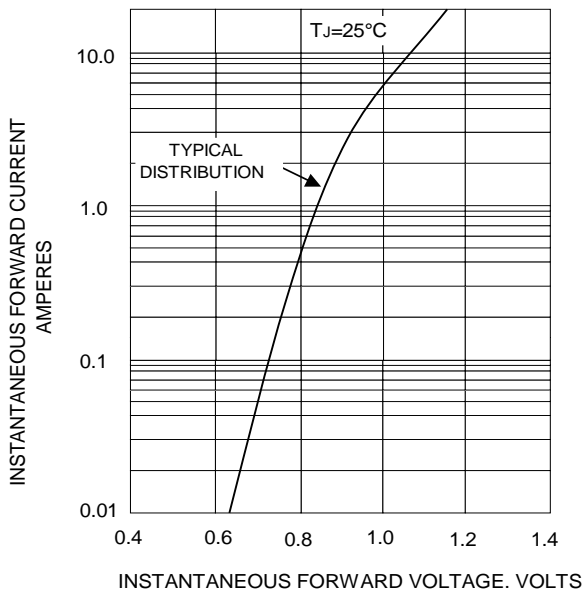


FIG.4-TYPIACL REVERSE CHARACTERISTICS

