

2W005 THRU 2W10

SINGLE PHASE GLASS BRIDGE RECTIFIER

Voltage: 50 TO 1000V CURRENT: 2.0A

FEATURES

Ideal for printed circuit board Surge overload rating: 60A peak High case dielectric strength

MECHANICAL DATA

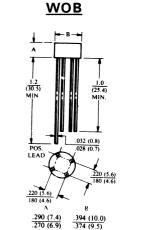
. **Terminal**: Plated leads solderable per

MIL-STD 202E, method 208C

. Case: UL-94 Class V-0 recognized Flame Retardant Epoxy

. Polarity: Polarity symbol marked on body

. Mounting position: any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60HZ, resistive or inductive load rating at $25\,^{\circ}\mathrm{C}$, unless otherwise stated, for capacitive load, derate current by 20%)

	SYMBOL	2W005	2W01	2W02	2W04	2W06	2W08	2W10	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	٧
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	٧
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	٧
Maximum Average Forward Rectified									
current at Ta=25 °C	If(av)	2.0							Α
Peak Forward Surge Current 8.3ms single									
half sine-wave superimposed on rated load	Ifsm	60							Α
Maximum Instantaneous Forward Voltage at									
forward current 2.0A DC	Vf	1.0							V
Maximum DC Reverse Voltage Ta=25°C		10.0							μА
at rated DC blocking voltage Ta=100 °C	lr	1.0							m A
Operating Temperature Range	Tj	-55 to +125							°C
Storage and operation Junction Temperature	Tstg	-55 to +150							°C



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RATINGS AND CHARACTERISTIC CURVES 2W005 THRU 2W10

FIG.1-MAXIMUM FORWARD SURGE CURRENT

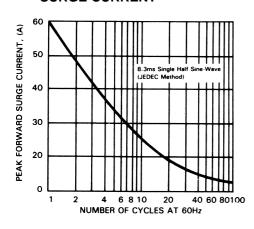


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

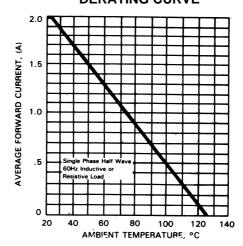


FIG.3-TYPICAL REVERSE CHARACTERISTICS

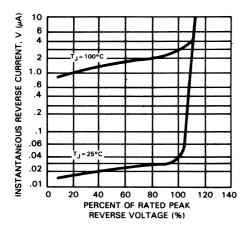


FIG.4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

