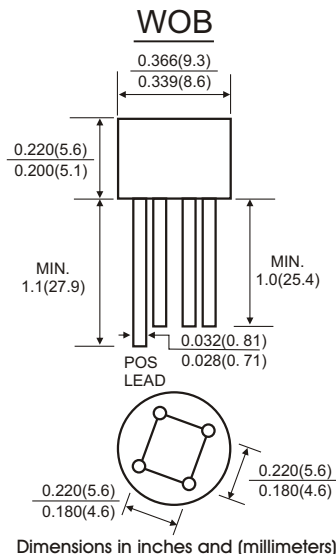




FEATURES

- Surge overload rating - 50 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- results inexpensive product
- High temperature soldering guaranteed: 260°C/10 seconds at terminals



Dimensions in inches and (millimeters)

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%.)

		Symbols	2W005	2W01	2W02	2W04	2W06	2W08	2W10	Units
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage		V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current		I(AV)	2.0							Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I _{FSM}	40							Amps
Maximum Instantaneous Forward Voltage at 2.0 A DC		V _F	1.0							Volts
Maximum DC Reverse Current at rated DC blocking voltage	T _A =25 °C	I _R	10							μA
	T _A =100°C		500							
Operating junction and storage temperature range		T _J T _{STG}	-40 to +125							°C



FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

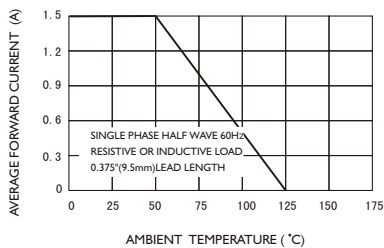


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

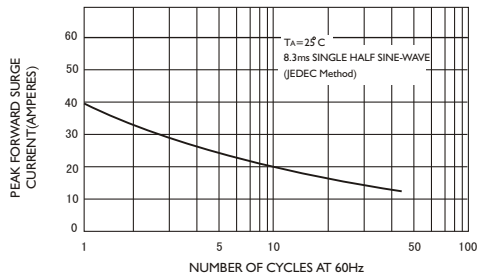


FIG3-TYPICAL FORWARD CHARACTERISTICS

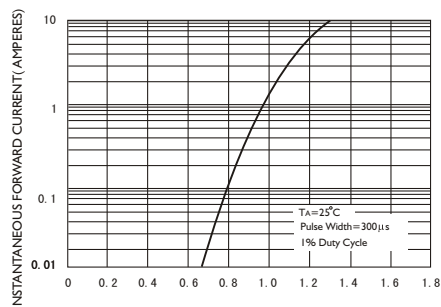


FIG.4-TYPICAL REVERSE CHARACTERISTICS

