

SILICON BRIDGE RECTIFIER

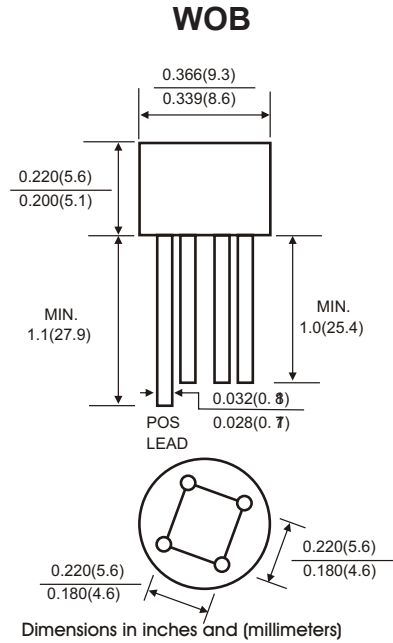
REVERSE VOLTAGE : 50 — 1000 V
FORWARD CURRENT: 2.0 A

FEATURES

- Surge overload rating -50A 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
- Component in accordance to ROHS 2002/95/EC and WEEE 2002/96/EC

MECHANICAL DATA

- Case: WOB molded plastic body
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted) Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate 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 2.0A 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



RATINGS AND CHARACTERISTIC CURVES

FIG.1-FORWARD CURRENT DERATING CURVE

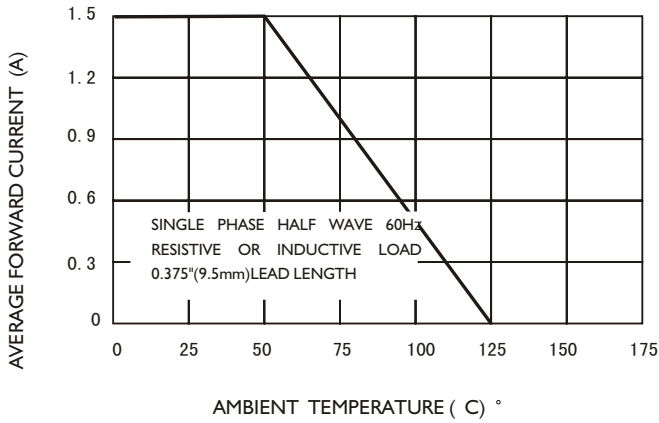


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

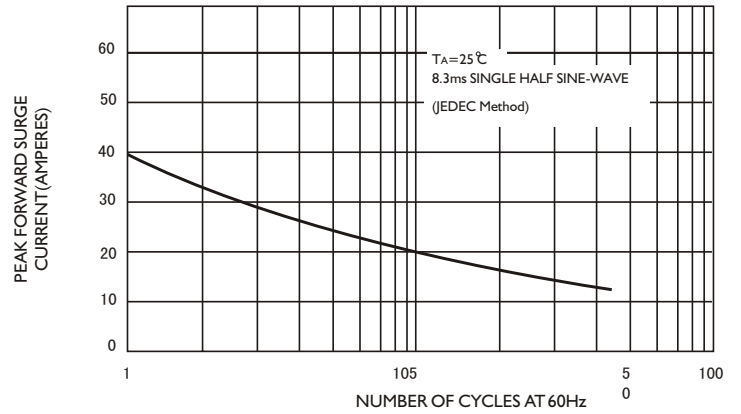


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

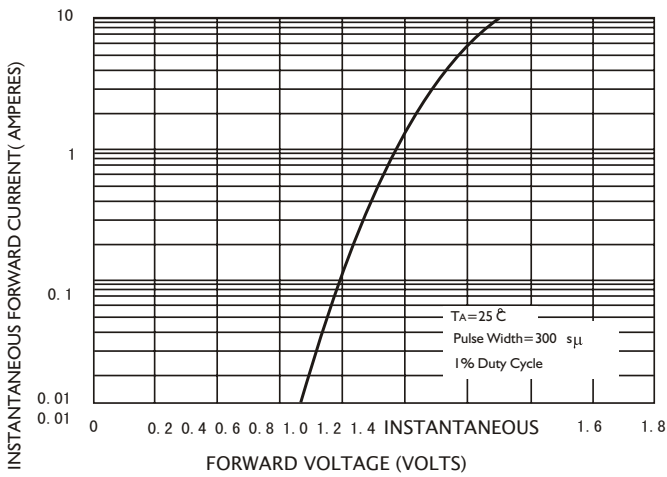


FIG.4-TYPICAL REVERSE CHARACTERISTICS

