W005---W10

SILICON BRIDGE RECTIFIER

REVERSE VOLTAGE : 50 --- 1000 V CURRENT: 1.5 A

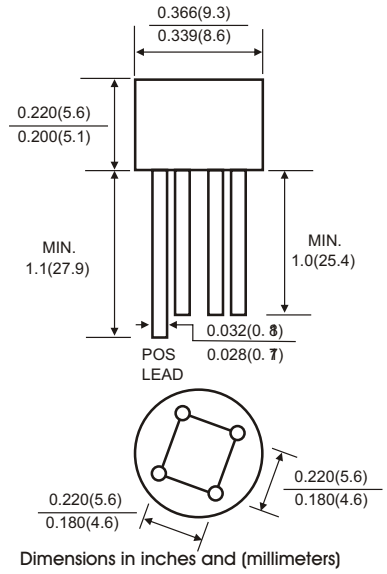
FEATURES

- Surge overload rating -50A Peak
- Ldeal for printed circuit board
- Reliable low cost construction utilizong molded plastic technique results inexpensive product
- High temperature soldering guaranteea:260℃/ 10 seconds at terminals
- Component in accordance to ROHS 2002/95/EC and WEEE 2002/96/EC

MECHANICAL DATA

- Case style: WOB plastic molded
- ounting Rosition:Any

WOB



Dimensions in inches and (millimeters)

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	W005	W01	W02	W04	W06	W08	W10	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		$I_{(AV)}$	1.5							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 at1.5A DC		V_F	1.0							Volts
Maximum DC Reverse Current at rated DC blocking voltage	T_A=25℃	I_R	10							μA
	T_A=100℃		500							
Operating junction and storage temperature range		T_J T_{STG}	-40 to +125							℃

RATINGS AND CHARACTERISTIC CURVES

FIG.1-TYPRCAL FORWARD CURRENT DERATING CURVE

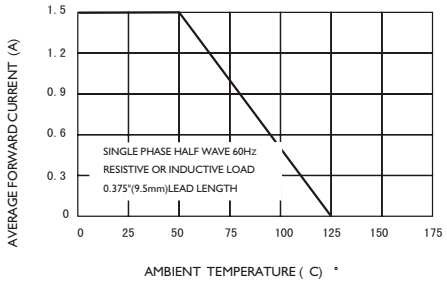


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

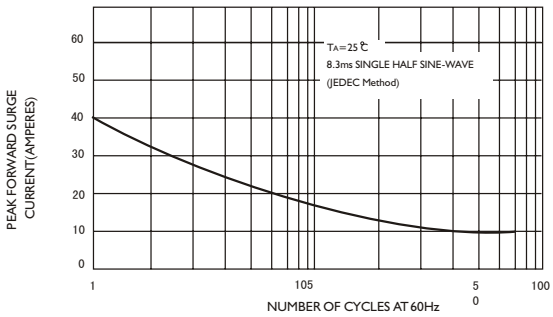


FIG3-TYPICAL FORWARD CHARACTERISTICS

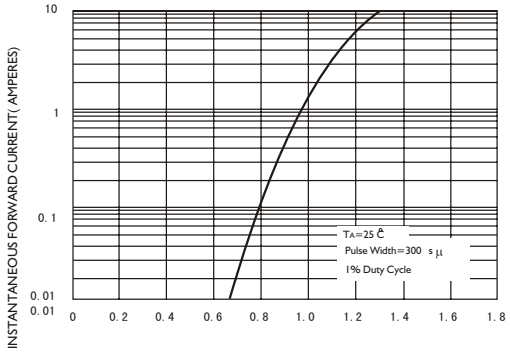


FIG.4-TYPICAL REVERSE CHARACTERISTICS