

WOB SILICON BRIDGE RECTIFIER

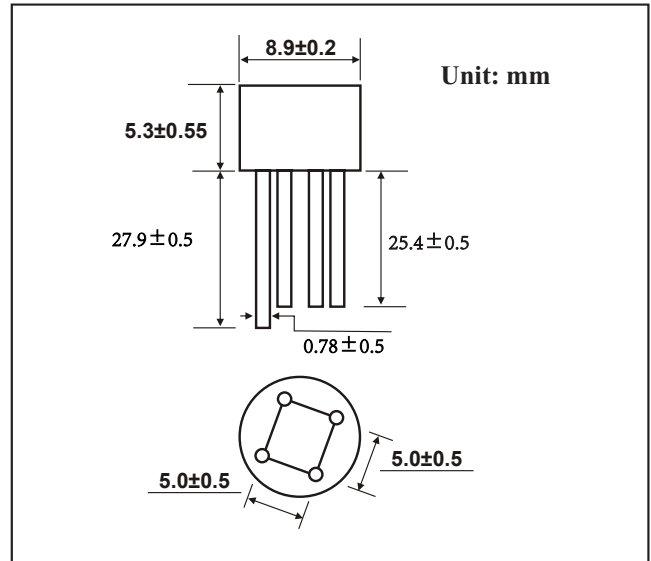
REVERSE VOLTAGE: 50--- 1000V CURRENT: 2.0A

FEATURES

- Surge overload rating -50A peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in 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)

Parameter	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	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

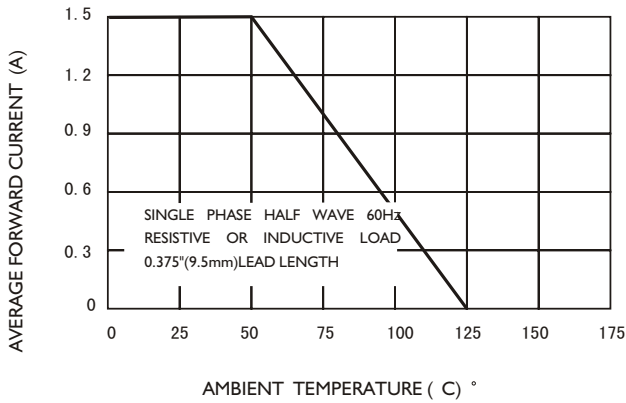


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

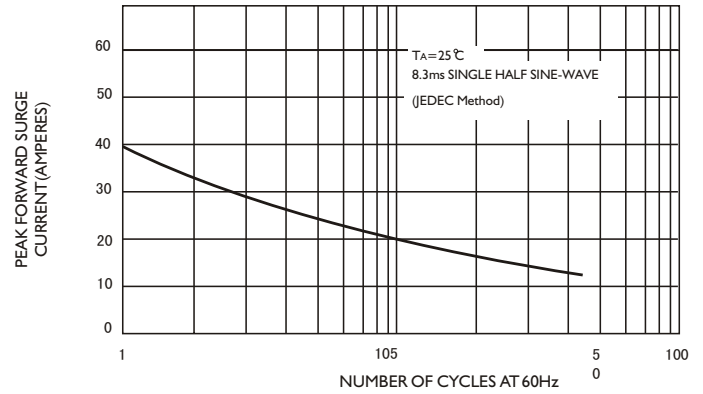


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

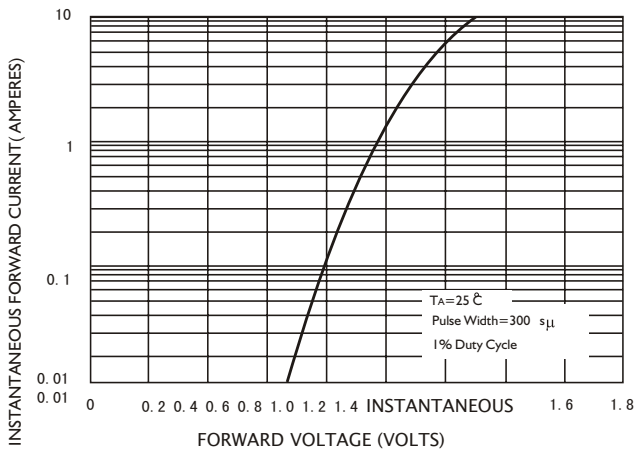


FIG.4-TYPICAL REVERSE CHARACTERISTICS

