

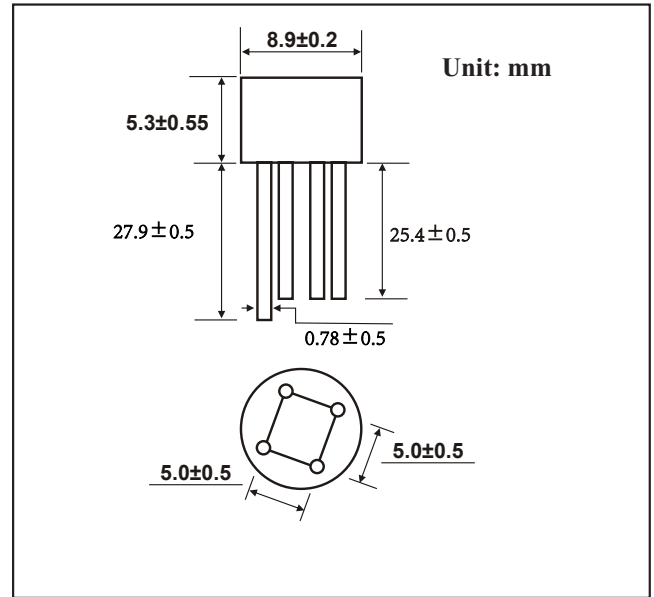
WOB SILICON BRIDGE RECTIFIER
REVERSE VOLTAGE: 50--- 1000V CURRENT: 1.5A
FEATURES

- 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 guarantee: 260°C / 10 seconds at terminals

Component in accordance to RoHS 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: WOB plastic molded
- Mounting Position: Any


MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter		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 at 1.0 A DC		V_F	1.0							Volts
Maximum DC Reverse Current at rated DC blocking voltage	$T_A = 25\text{ }^{\circ}\text{C}$	I_R	10							μA
	$T_A = 100\text{ }^{\circ}\text{C}$		500							
Operating junction and storage temperature range		T_J T_{STG}	-40 to +125							$^{\circ}\text{C}$

RATINGS AND CHARACTERISTIC CURVES

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

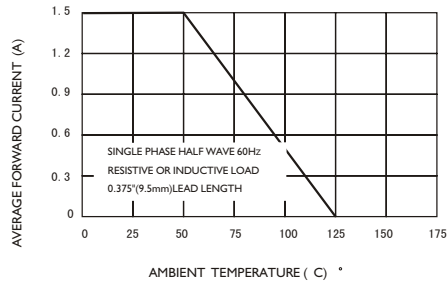


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

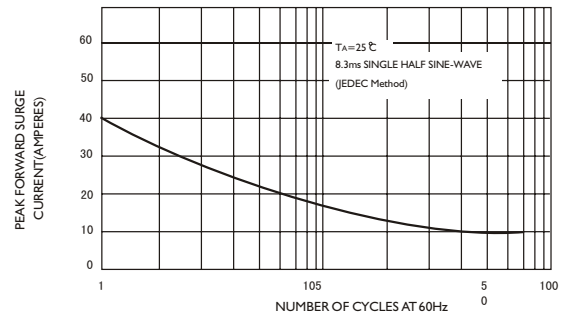


FIG3-TYPICAL FORWARD CHARACTERISTICS

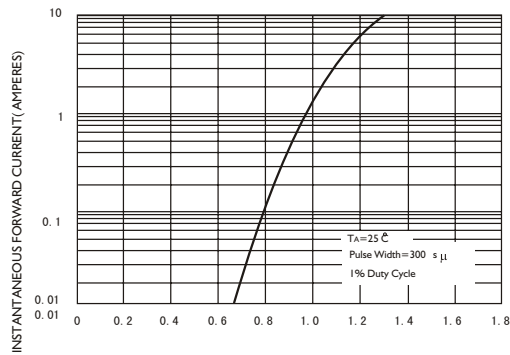


FIG.4-TYPICAL REVERSE CHARACTERISTICS

