BRIDGE RECTIFIER

Reverse Voltage: 50 to 1000 Volts
Forward Current: 1. 0 Amps

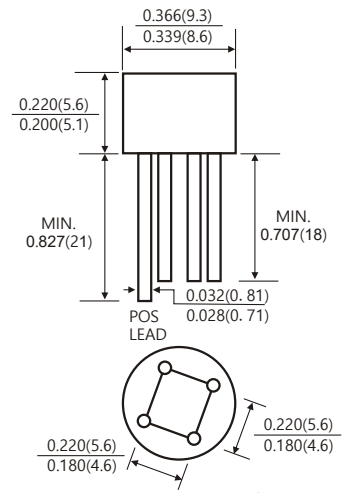
FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- High current capability
- Low forward voltage drop
  High temperature soldering guaranteed:260°C/10 seconds at terminals
  Component in accordance to RoHS 2015/863/EU

MECHANICAL DATA

- Case: WOB molded plastic body
- Terminals: Plated leads solderable per MIL-STD-750,method 2026
- Mounting Position: Any

WOB



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%.)

Parameter		Symbols	W005M	W01M	W02M	W04M	W06M	W08M	W10M	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. 0							Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I_{FSM}	40							Amps
Rating for fusing (t<8. 3ms)		I^2t	6.64							A^2s
Maximum Instantaneous Forward Voltage at 1. 0 A per diode		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							
Typical thermal resistence		$R_{\theta JA}$	45							°C/W
Operating temperature range		T_J	-55 to +125							°C
Storage temperature range		T_{STG}	-55 to +150							°C

RATINGS AND CHARACTERISTIC CURVES W005M THRU W10M

FIG.1-TYPRCAL FORWARD CURRENT DERATING CURVE

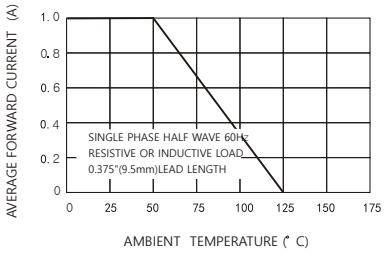


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

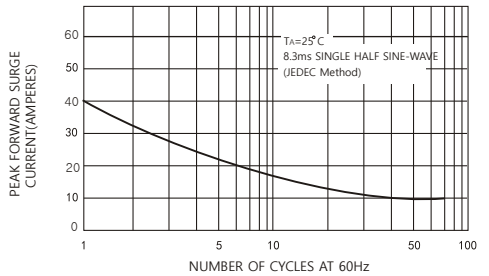


FIG3-TYPICAL FORWARD CHARACTERISTICS

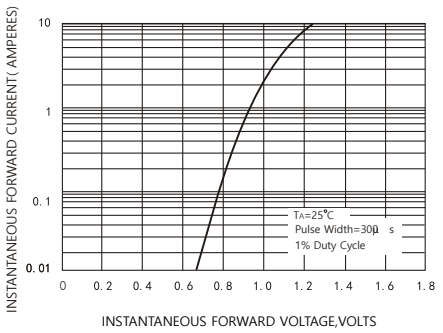


FIG.4-TYPICAL REVERSE CHARACTERISTICS

