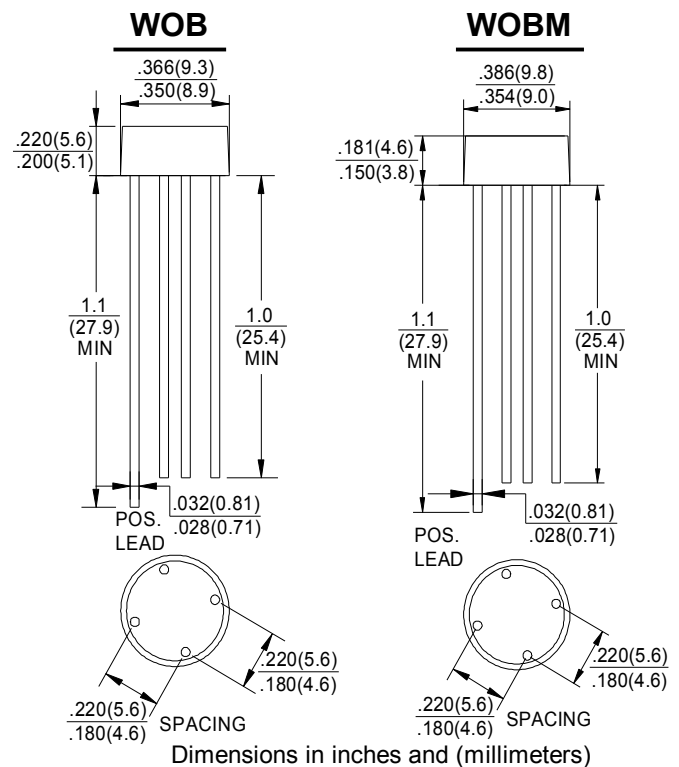


SILICON BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50 to 1000**Volts
FORWARD CURRENT - **1.5** Amperes

FEATURES

- Surge overload rating -50 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in expensive product
- Mounting position:Any



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%

CHARACTERISTICS	SYMBOL	W005	W01	W02	W04	W06	W08	W10	UNIT
		W005M	W01M	W02M	W04M	W06M	W08M	W10M	
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA=25°C	I(AV)	1.5							A
Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	50							A
I ² t Rating for Fusing (t<8.3ms)	I ² t	5.0							A ² s
Maximum Forward Voltage Drop Per Element at 1.5A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage TJ=25°C	IR	10.0							μA
		1.0							mA
Operating Temperature Range	TJ	-55 to +125							°C
Storage Temperature Range	TSTG	-55 to +150							°C

FIG.1-MXIMUM NON-REPETITIVE
SURGE CURRENT

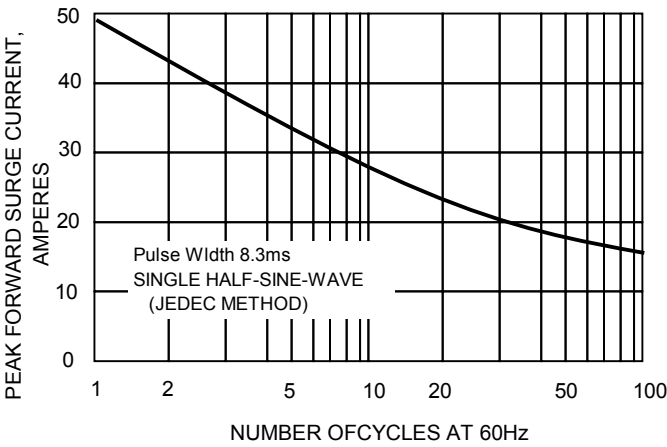


FIG.2-DERATING CURVE
OUTPUT RECTIFIED CURRENT

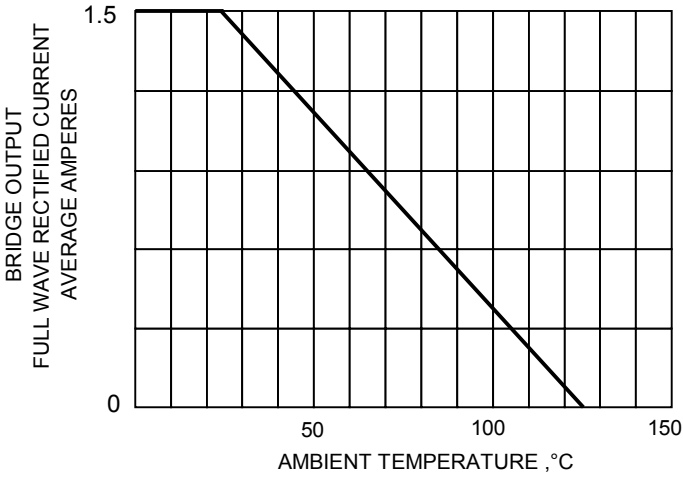


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

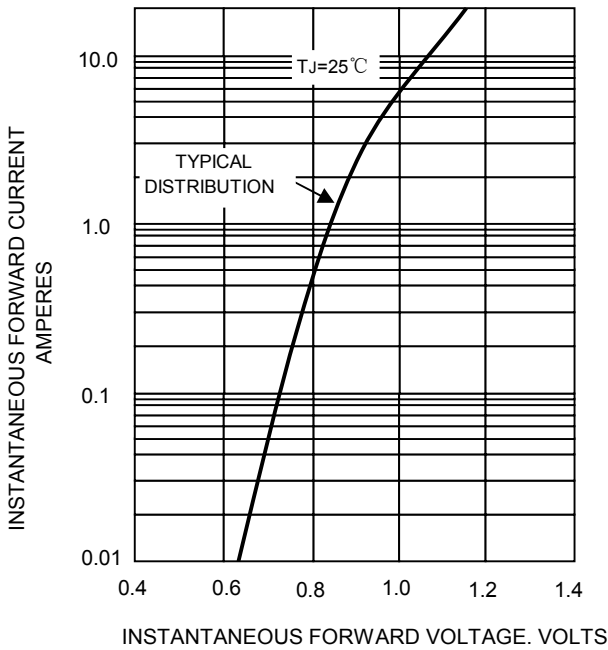


FIG.4-TYPIACL REVERSE
CHARACTERISTICS

