



W-005M
THRU
W-10M

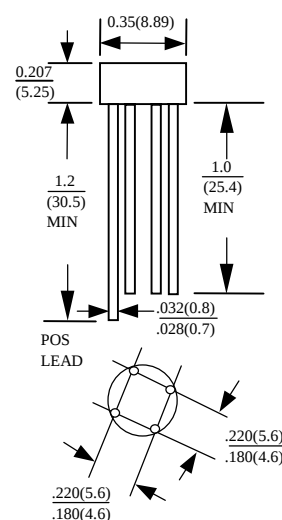
1.5A SILICON SINGLE-PHASE BRIDGE RECTIFIERS

FEATURES

- PLASTIC MATERIAL USED CARRIES UNDERWRITERS LABORATORY FLAMMABILITY RECOGNITION 94V-0
- HIGH CASE DIELECTRIC STRENGTH
- TYPICAL IR LESS THAN $1\mu A$
- HIGH OVERLOAD SURGE CAPABILITY
- IDEAL FOR PRINTED CIRCUIT BOARD

MECHANICAL DATA

- CASE : EPOXY CASE
- TERMINALS : LEADS SOLDERABLE PER MIL-STD-202 METHOD 208
- MOUNTING POSITION : ANY
- WEIGHT : 1.1 GRAMS



DIMENSIONS IN INCHES AND (MILLIMETERS)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED

SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD.

FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

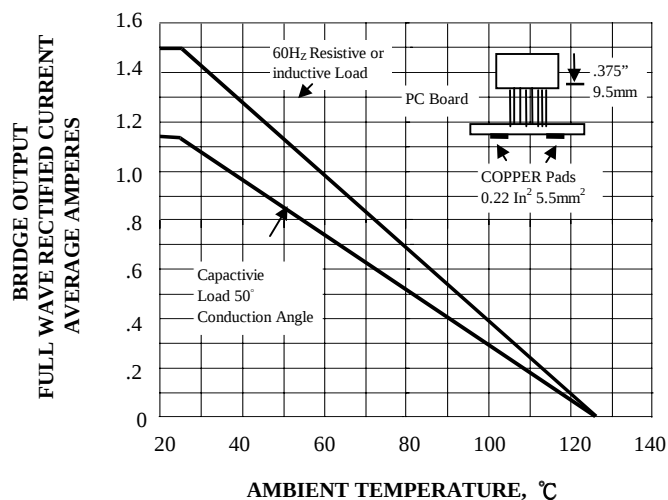
RATINGS	SYMBOL	W-005M	W-01M	W-02M	W-04M	W-06M	W-08M	W-10M	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	V_{RRM}	50	100	200	400	600	800	1000	V
MAXIMUM RMS VOLTAGE	V_{RMS}	35	70	140	280	420	560	700	V
MAXIMUM DC BLOCKING VOLTAGE	V_{DC}	50	100	200	400	600	800	1000	V
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT .375" (9.5mm) LEAD LENGTH AT $T_A=25^\circ C$	I_O	1.5							A
PEAK FORWARD SURGE CURRENT SINGLE SINE-WAVE SUPERIMPOSED ON RATED LOAD	I_{FSM}	50							A
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO + 150							$^\circ C$
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO + 125							$^\circ C$

ELECTRICAL CHARACTERISTICS ($A_T T_A = 25^\circ C$ UNLESS OTHERWISE NOTED)

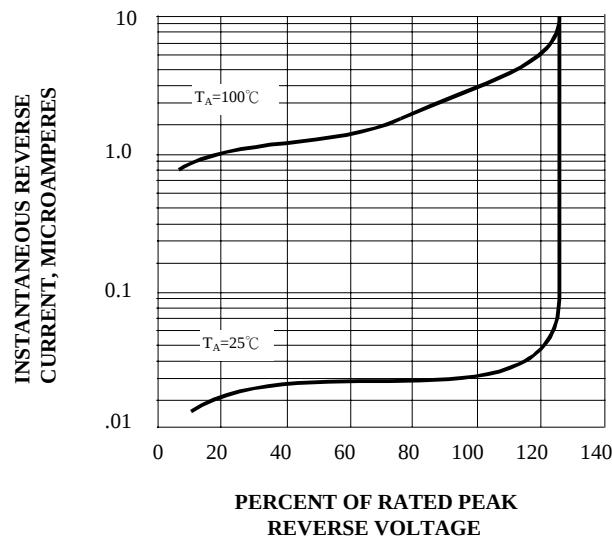
CHARACTERISTICS	SYMBOL	W-005M	W-01M	W-02M	W-04M	W-06M	W-08M	W-10M	UNITS
MAXIMUM INSTANTANEOUS FORWARD VOLTAGE DROP PER ELEMENT AT 1.0A	V_F	1.1							V
MAXIMUM REVERSE LEAKAGE AT RATED DC $T_A=25^\circ C$	I_R	10							μA

RATINGS AND CHARACTERISTIC CURVES W-005M THRU W-10M

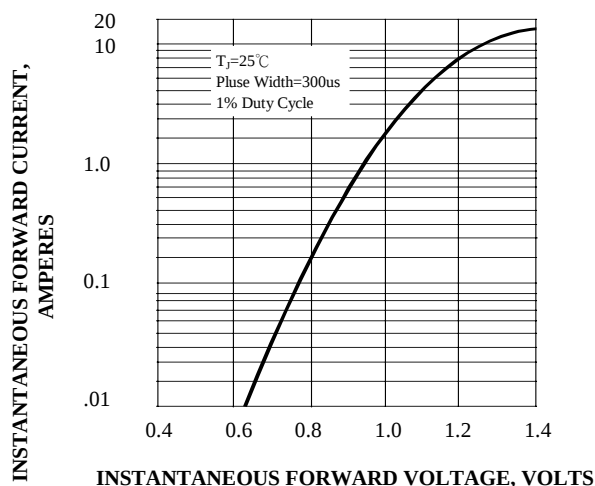
**FIG. 1 - DERATING CURVE OUTPUT
RECTIFIED CURRENT**



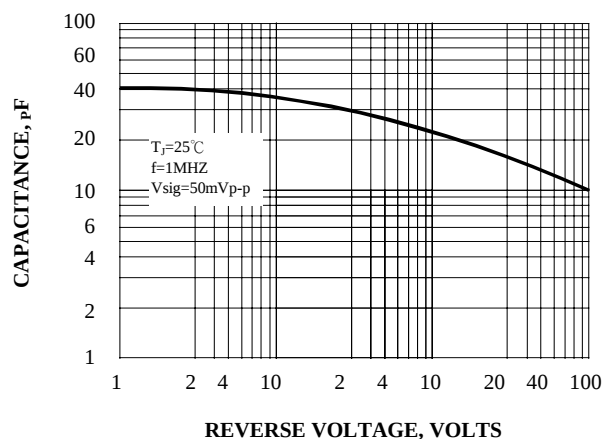
**FIG. 2 - TYPICAL REVERSE
CHARACTERISTICS**



**FIG. 3 - TYPICAL FORWARD
CHARACTERISTICS PER ELEMENT**



**FIG. 4 - TYPICAL JUNCTION CAPACITANCE
PER BRIDGE ELEMENT**



**FIG. 5 - MAXIMUM NON-REPETITIVE
PEAK FORWARD SURGE CURRENT**

