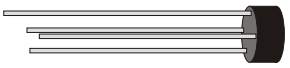
W005M THRU W10M

SINGLE PHASE 1.5 AMP BRIDGE RECTIFIERS

FMS



FEATURES

* Ideal for printed circuit board
* Low forward voltage
* Low leakage current
* Polarity: marked on body
* Mounting position: Any
* Weight: 1.20 grams

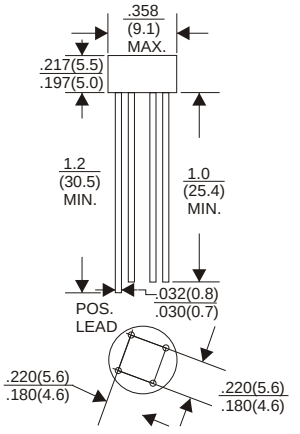
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

1.5 Amperes

WOM



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25˚C ambient temperature unless otherwies specified.
Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

TYPE NUMBER	W005M	W01M	W02M	W04M	W06M	W08M	W10M	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Ta=25˚C	1.5							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	50							A
Maximum Forward Voltage Drop per Bridge Element at 1.0A D.C.	1.0							V
Maximum DC Reverse Current Ta=25˚C	10							mA
at Rated DC Blocking Voltage Ta=100˚C	500							mA
Operating Temperature Range, Tj	-65 — +125							˚C
Storage Temperature Range, TSTG	-65 — +150							˚C

RATING AND CHARACTERISTIC CURVES (W005M THRU W10M)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

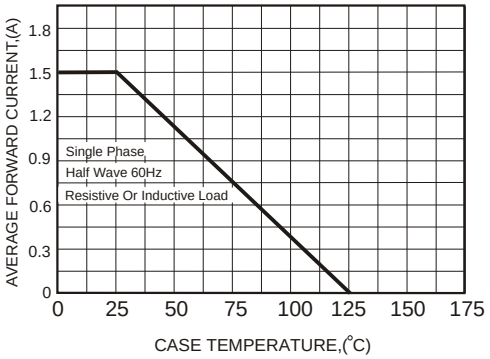


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

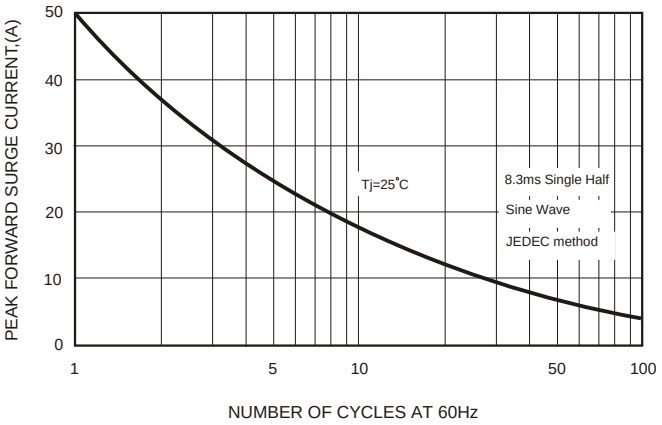


FIG.3-TYPICAL FORWARD CHARACTERISTICS

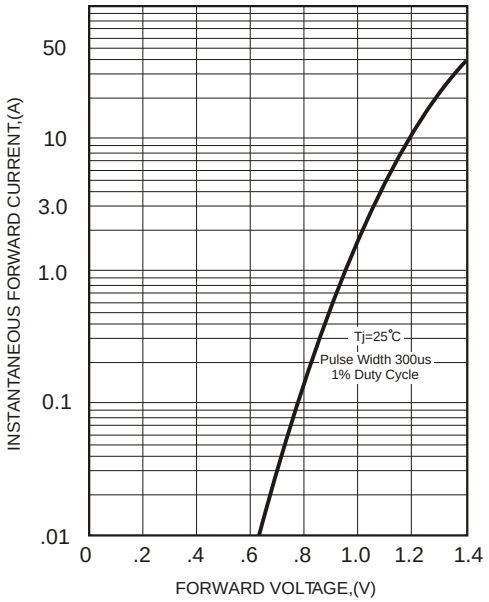


FIG.4-TYPICAL REVERSE CHARACTERISTICS

