

2W005M THRU 2W10M

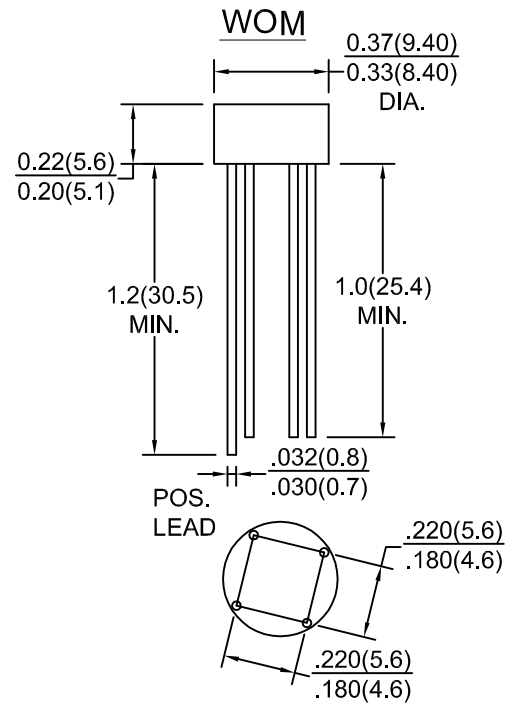
SINGLE PHASE SILICON BRIDGE RECTIFIERS

FEATURES:

- Ideal for printed circuit board
- Low forward voltage drop
- Low leakage current
- High temperature soldering guaranteed : 250°C /10 seconds,
0.375" lead length, 5lbs.(2.3kg) tension

MECHANICAL DATA

Case : Molded plastic body
 Terminals : plated leads, solderable per MIL-STD-202,
 Method 208 guaranteed
 Polarity : Color band on body denotes cathode end
 Mounting Position : Any
 Weight : 1.1 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temp. unless otherwise specified.
 Single phase, half sine wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20 %.

Characteristic	Symbol	2W 005M	2W 01M	2W 02M	2W 04M	2W 06M	2W 08M	2W 10M	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 .375"(9.5mm) lead length at Ta=50°C	I _O	2.0							Amps
Peak forward surge current ,8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I _{FSM}	60							Amps
Maximum instantaneous forward voltage drop per bridge element at 2.0 A	V _F	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage	I _R	10 500							μ A
Operating temperature range	T _j	-65 to +125							°C
Storage temperature range	T _{stg}	-65 to +150							°C

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

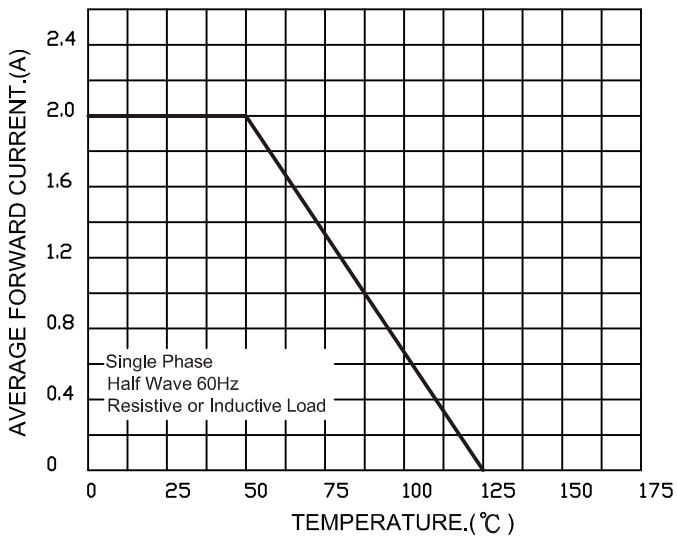


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

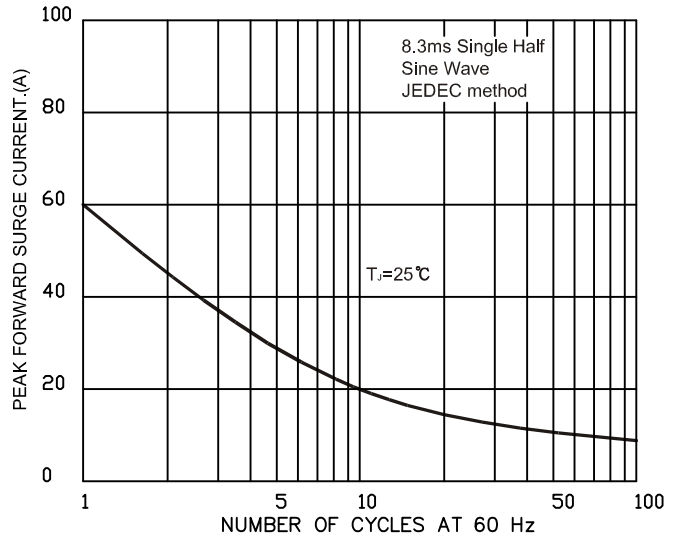


FIG.3-TYPICAL FORWARD CHARACTERISTICS

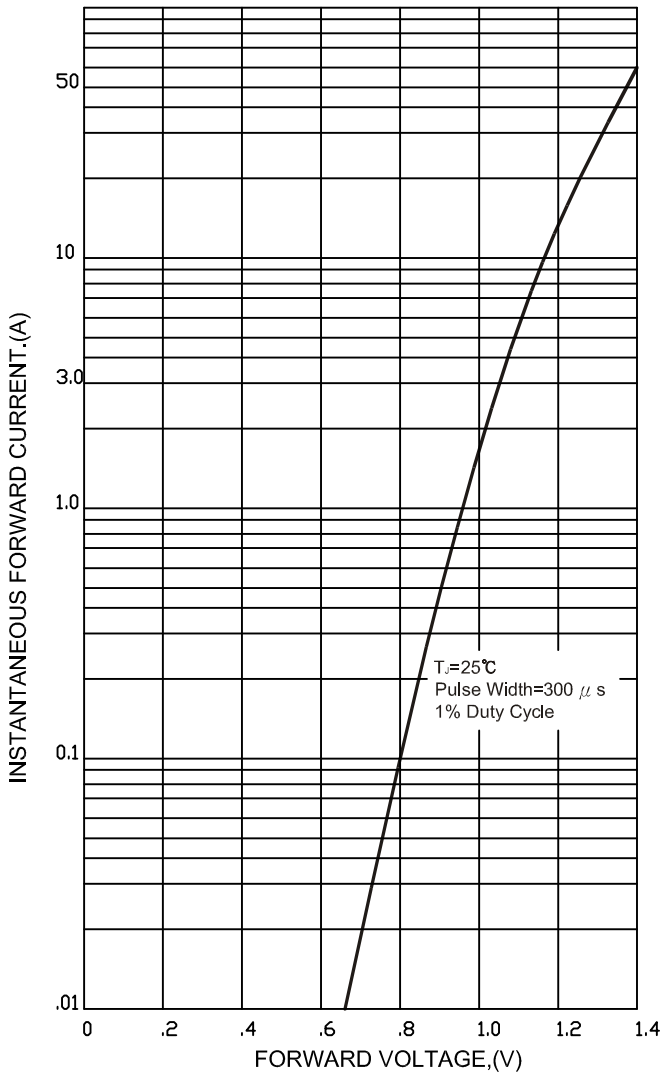


FIG.4-TYPICAL REVERSE CHARACTERISTICS

