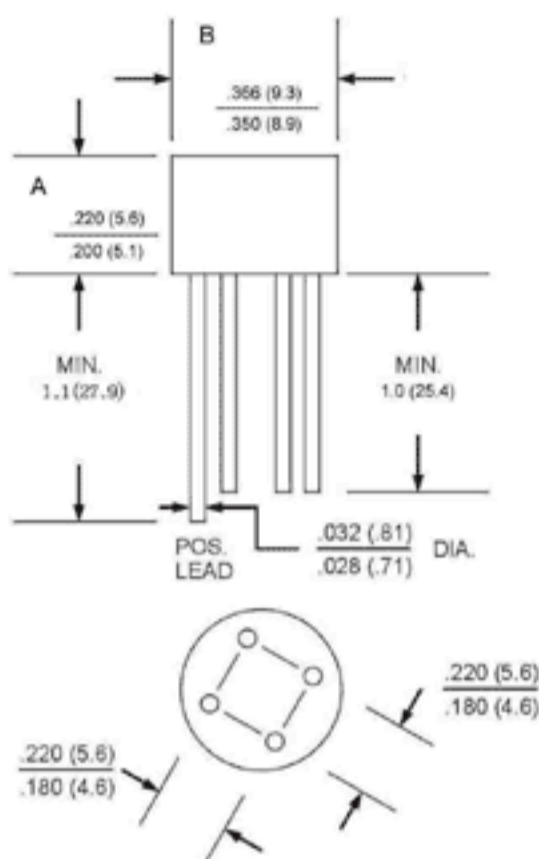


SILICON BRIDGE RECTIFIERS

 REVERSE VOLTAGE - 50 to 1000 Volts
 FORWARD CURRENT - 2.0 Amperes

FEATURES

- Surge overload rating - 60 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in expensive product
- Mounting Position: Any
- Lead: Silver Plated Copper Lead.



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%

CHARACTERISTICS	2W005	2W01	2W02	2W04	2W06	2W08	2W10	UNIT
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 0.375" (9.5mm) Lead Lengths @ $T_A=25^\circ\text{C}$	2.0							A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	60							A
I^2t Rating for fusing ($t < 8.3\text{ms}$)	15.0							A ² S
Maximum Forward Voltage Drop per Element at 2.0A Peak	1.0							V
Maximum DC Reverse Current, at Rated DC Blocking Voltage	10.0 1.0							μA mA
Maximum Forward Voltage Drop per Element at 2.0A Peak	30							pF
Operating Temperature Range T_J	-40 to +125							°C
Storage Temperature Range T_{STG}	-40 to +125							°C

NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0 volts.