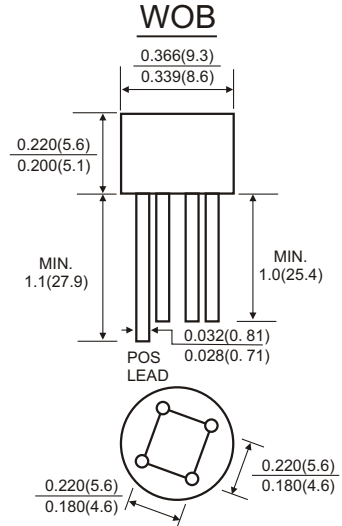




FEATURES

- Surge overload rating - 50 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- results inexpensive product
- High temperature soldering guaranteed: 260°C/10 seconds at terminals



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%.)

| | | Symbols | 2W005 | 2W01 | 2W02 | 2W04 | 2W06 | 2W08 | 2W10 | 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 | | I(AV) | 2.0 | | | | | | | Amp |
| Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method) | | I _{FSM} | 40 | | | | | | | Amps |
| Maximum Instantaneous Forward Voltage at 2.0 A DC | | V _F | 1.0 | | | | | | | Volts |
| Maximum DC Reverse Current at rated DC blocking voltage | T _A =25°C | I _R | 10 | | | | | | | μA |
| | T _A =100°C | | 500 | | | | | | | |
| Operating junction and storage temperature range | | T _J T _{STG} | -40 to +125 | | | | | | | °C |



FIG.1-TYPRCAL FORWARD CURRENT DERATING CURVE

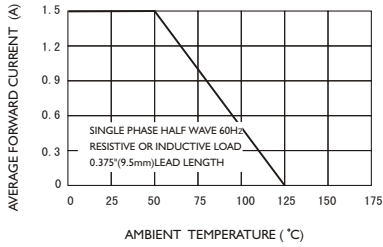


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

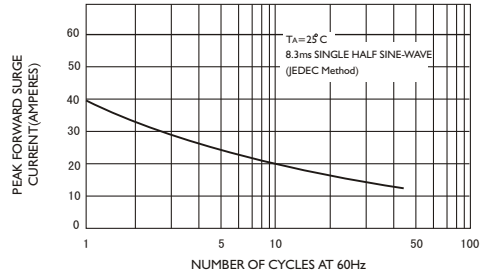


FIG3-TYPICAL FORWARD CHARACTERISTICS

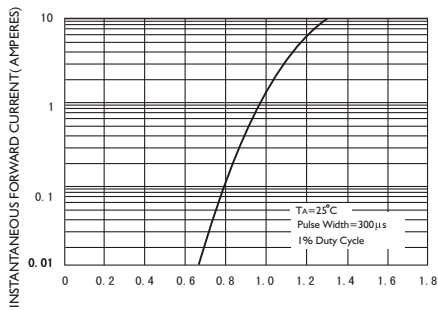


FIG.4-TYPICAL REVERSE CHARACTERISTICS

