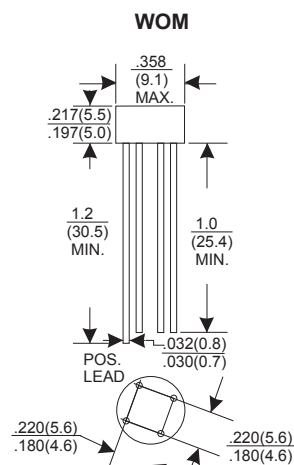


Io

A diagram of a four-pin connector. It consists of a black cylindrical base with four pins extending from it. The pins are of different lengths: the top pin is the longest, followed by the bottom pin, the second pin from the top, and the third pin from the top is the shortest.

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

1.5 Amperes



Dimensions in inches and (millimeters)

Rating 25°C ambient temperature unless otherwise 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<br>.375"(9.5mm) Lead Length at Ta=25°C                      |            |      |      |      |      |      |      | A     |
| Peak Forward Surge Current, 8.3 ms single half sine-wave<br>superimposed on rated load (JEDEC method) | 1.5        |      |      |      |      |      |      | A     |
| Maximum Forward Voltage Drop per Bridge Element at 1.0A D.C.                                          | 50         |      |      |      |      |      |      | V     |
| Maximum DC Reverse Current Ta=25°C                                                                    | 1.0        |      |      |      |      |      |      | μA    |
| at Rated DC Blocking Voltage Ta=100°C                                                                 | 10         |      |      |      |      |      |      | μA    |
| Operating Temperature Range, Tj                                                                       | 500        |      |      |      |      |      |      | °C    |
| Storage Temperature Range, TSTG                                                                       | -65 — +125 |      |      |      |      |      |      | °C    |
|                                                                                                       | -65 — +150 |      |      |      |      |      |      | °C    |

## RATING AND CHARACTERISTIC CURVES (W005M THRU W10M)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

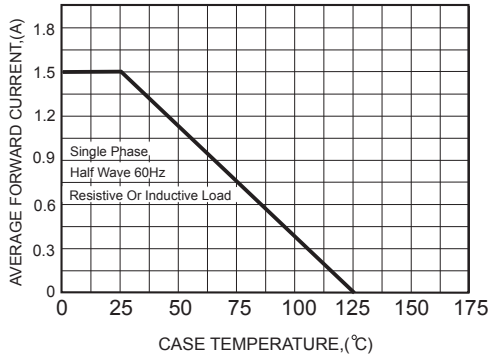


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

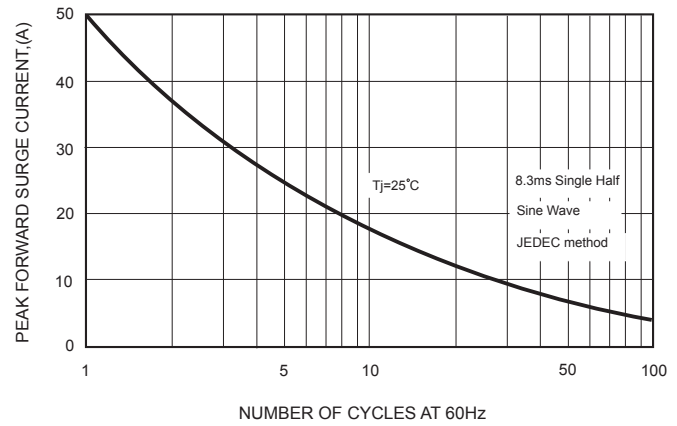


FIG.3-TYPICAL FORWARD CHARACTERISTICS

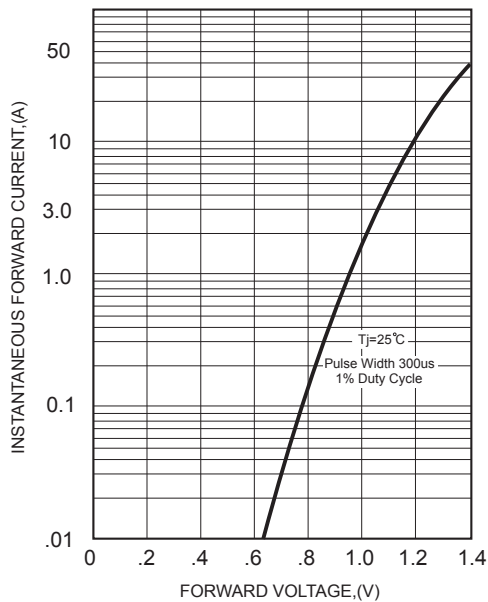


FIG.4-TYPICAL REVERSE CHARACTERISTICS

