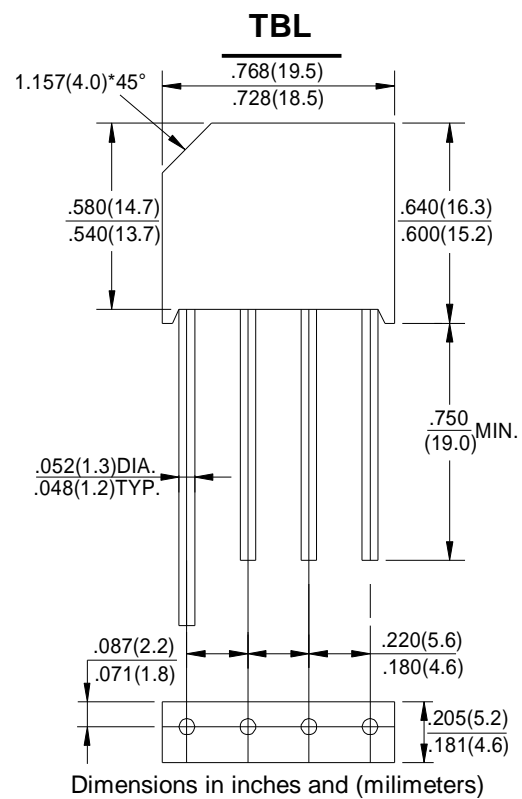


## GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts  
FORWARD CURRENT - 4.0 Amperes

### FEATURES

- Surge overload rating -125 Amperes peak
- Ideal for printed circuit board
- Plastic material has UL flammability classification 94V-0
- Mounting position :Any



### 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  | SYMBOL            | TBL005G     | TBL01G | TBL02G | TBL04G | TBL06G | TBL08G | TBL10G | UNIT |
|--|-------------------|-------------|--------|--------|--------|--------|--------|--------|------|
| Maximum Recurrent Peak Reverse Voltage   | V <sub>RRM</sub>  | 50          | 100    | 200    | 400    | 600    | 800    | 1000   | V    |
| Maximum RMS Bridge Input Voltage   | V <sub>RMS</sub>  | 35          | 70     | 140    | 280    | 420    | 560    | 700    | V    |
| Maximum DC Blocking Voltage  | V <sub>DC</sub>   | 50          | 100    | 200    | 400    | 600    | 800    | 1000   | V    |
| Maximum Average Forward Output Current at 50°C T <sub>A</sub> (Note1)                    | I <sub>(AV)</sub> | 4.0         |        |        |        |        |        |        | A    |
| Peak Forward Surge Current<br>8.3ms Single Half Sine-Wave<br>Super Imposed on Rated Load | I <sub>FSM</sub>  | 125         |        |        |        |        |        |        | A    |
| Maximum Forward Voltage Drop Per Element<br>at 4.0A Peak                                 | V <sub>F</sub>    | 1.1         |        |        |        |        |        |        | V    |
| Maximum DC Reverse Current<br>at Rated DC Blocking Voltage                               | I <sub>R</sub>    | 10.0        |        |        |        |        |        |        | μA   |
| Maximum Reverse Current at<br>Rated DC Blocking Voltage and 100°C T <sub>J</sub>         | I <sub>R</sub>    | 1.0         |        |        |        |        |        |        | mA   |
| Operating Temperature Range  | T <sub>J</sub>    | -55 to +150 |        |        |        |        |        |        | °C   |
| Storage Temperature Range  | T <sub>STG</sub>  | -55 to +150 |        |        |        |        |        |        | °C   |

NOTES: 1. Mounting conditions ,0.5" lead length maximum.

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

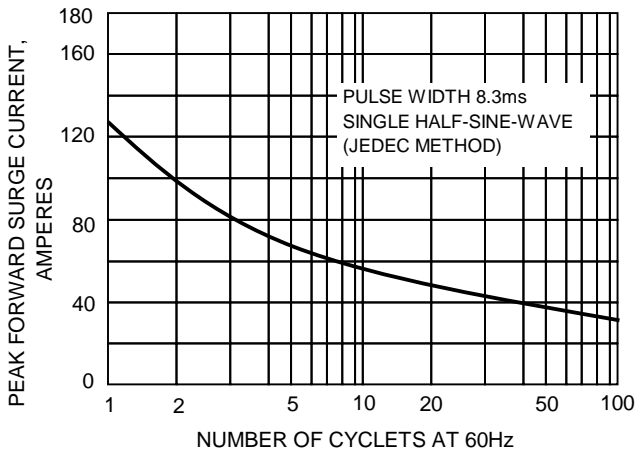


FIG.2-DERATING CURVE  
OUTPUT RECTIFIED CURRENT

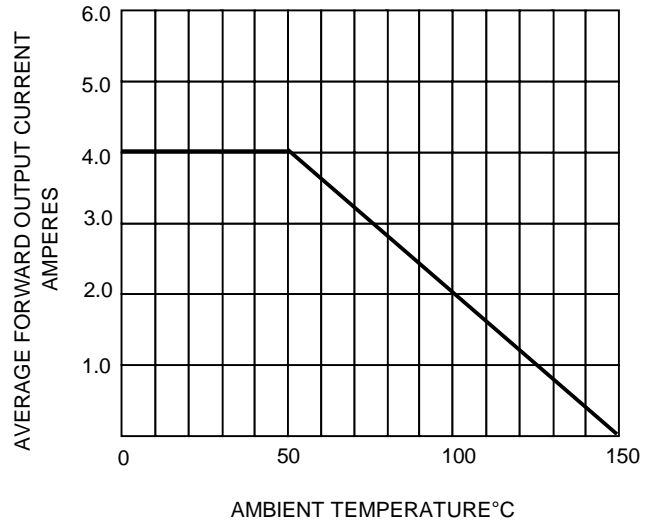


FIG.3-TYPICAL FORWARD CHARACTERISTICS

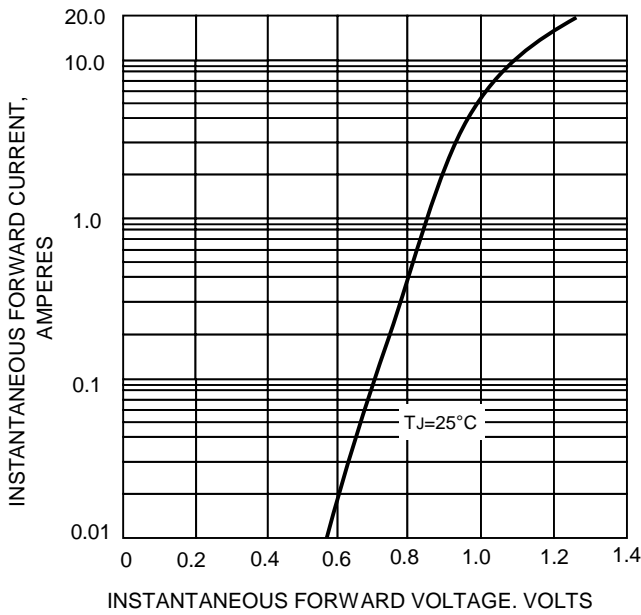


FIG.4- TYPICAL REVERSE CHARACTERISTICS

