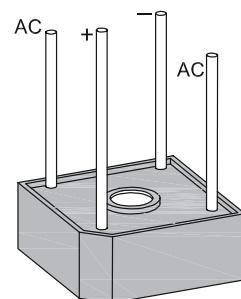


3.0A Glass Passivated Bridge Rectifier

Features

- High forward surge current capability
- Ideal for printed circuit board
- High temperature soldering guaranteed:
260°C/10 seconds, at 5 lbs. (2.3kg) tension
- RoHS Compliant



TB3



Mechanical Data

Case:	Molded plastic body
Epoxy:	Meets UL 94V-0 flammability rating
Terminals:	Lead solderable per MIL-STD-202, Method 208
Polarity:	Hole thru for #6 screw
Weight:	0.093 ounce, 2.62 grams

Maximum Ratings & Electrical Characteristics ($T_{Ambient}=25^{\circ}\text{C}$ unless noted)

Symbol	Description	TB305G	TB31G	TB32G	TB34G	TB36G	TB38G	TB310G	Unit	Conditions
V_{RRM}	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
V_{RMS}	Maximum RMS Voltage	35	70	140	280	420	560	700	V	
V_{DC}	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
I_{O(AV)}	Maximum Average Forward Rectified Current	3.0							A	T _A =50°C
I_{FSM}	Peak Forward Surge Current	60							A	Note
V_F	Maximum Forward Voltage	1.0							V	I _O =1.5A
I_R	Maximum Reverse Current at Rated DC Blocking Voltage per element	10.0							uA	T _A = 25 °C
		500								T _A =125 °C
T_J	Operating Temperature Range	-55 to +150							° C	
T_{STG}	Storage Temperature Range	-55 to +150							° C	

Note:

8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)

3.0A Glass Passivated Bridge Rectifier

TB305G - TB310G

Typical Characteristics Curves

Fig.1- Derating Curve for Output Rectified Current

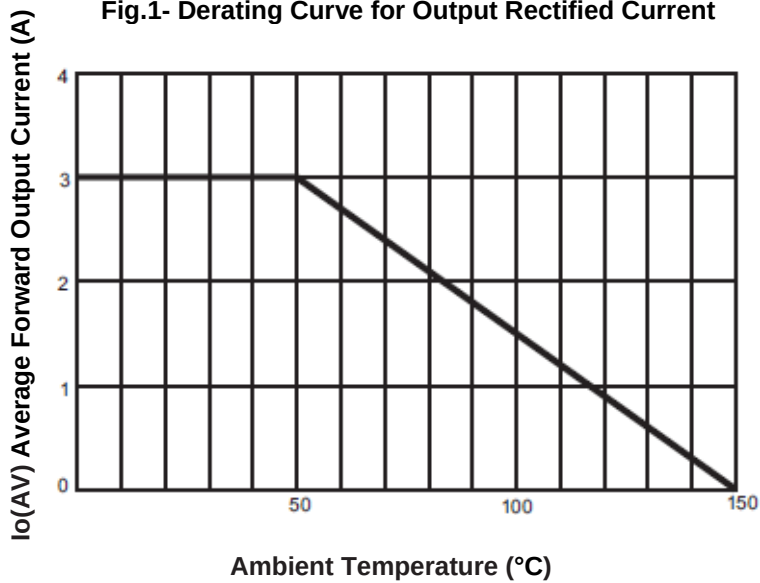


Fig.2- Maximum Non-Repetitive Peak Forward Surge Current Per Element

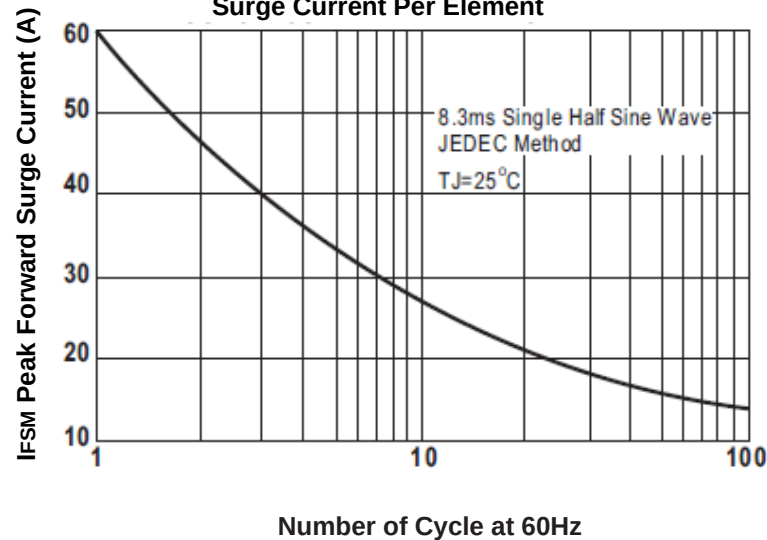


Fig.3- Typical Forward Characteristics Per Bridge Element

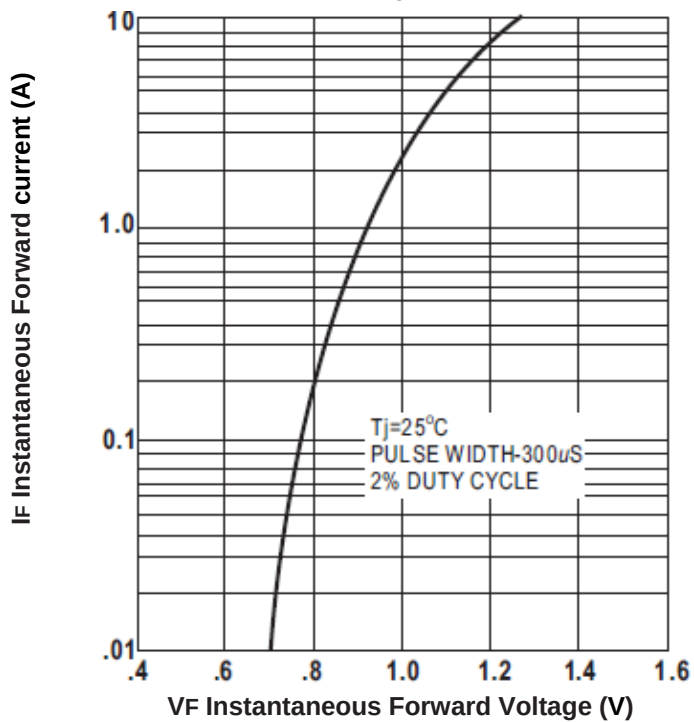
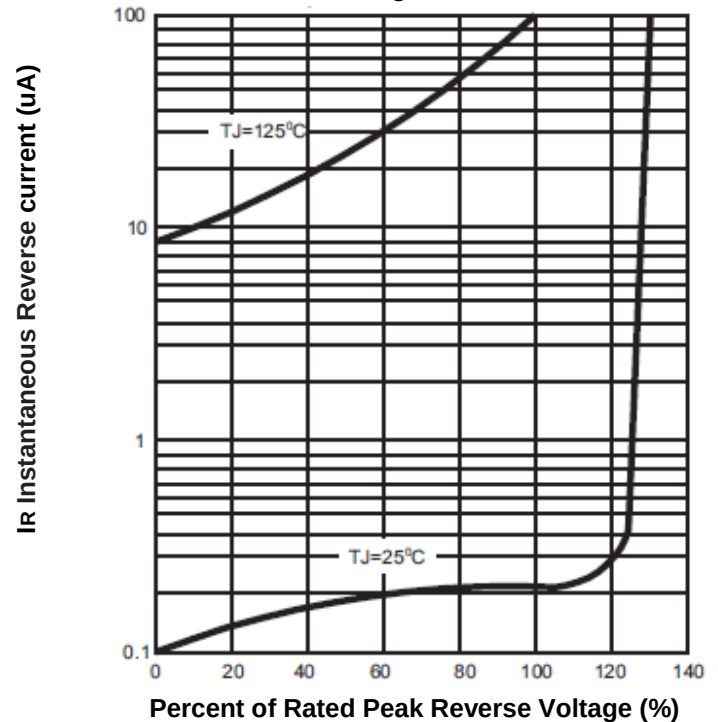


Fig.4- Typical Reverse Characteristics Per Bridge Element

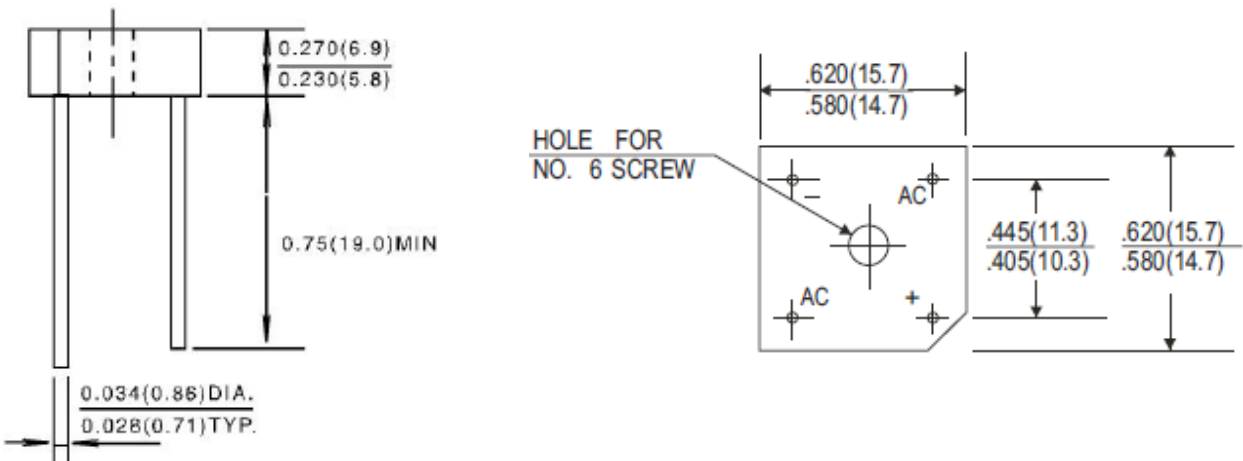


3.0A Glass Passivated Bridge Rectifier

TB305G - TB310G

Dimensions in inch (mm)

TB3



3.0A Glass Passivated Bridge Rectifier

TB305G - TB310G

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