



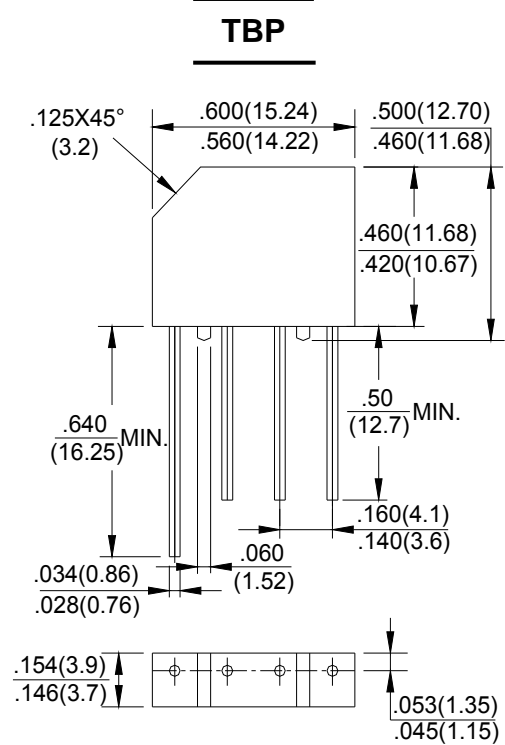
# TBP2005G thru TBP210G

## GLASS PASSIVATED BRIDGE RECTIFIERS

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

### FEATURES

- Surge overload rating -60amperes peak
- Ideal for printed circuit board
- Plastic material has UL flammability classification 94V-0
- Mounting position :Any



Dimensions in inches and (milimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load,60HZ.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	TBP 2005G	TBP 201G	TBP 202G	TBP 204G	TBP 206G	TBP 208G	TBP 210G	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 Rectified Output Current @T <sub>A</sub> =50 °C	I(AV)	2.0							A
Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I <sub>FSM</sub>	60							A
Maximum Forward Voltage Drop Per Bridge Element at 2.0A Peak	V <sub>F</sub>	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I <sub>R</sub>	10.0							μA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @T <sub>J</sub> =100°C	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

FIG.1-DERATING CURVE  
OUTPUT RECTIFIED CURRENT

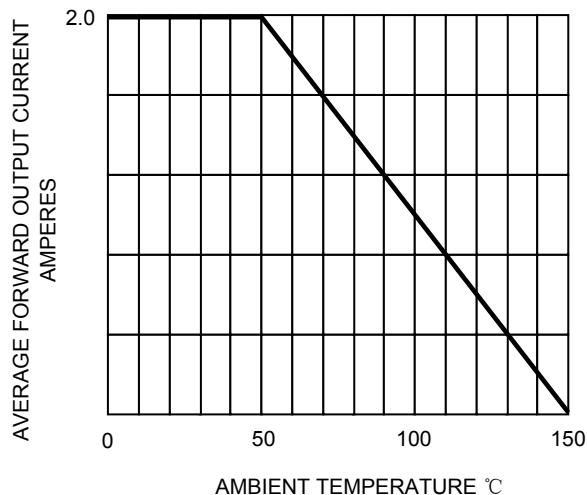


FIG.2-TYPICAL FORWARD  
CHARACTERISTICS

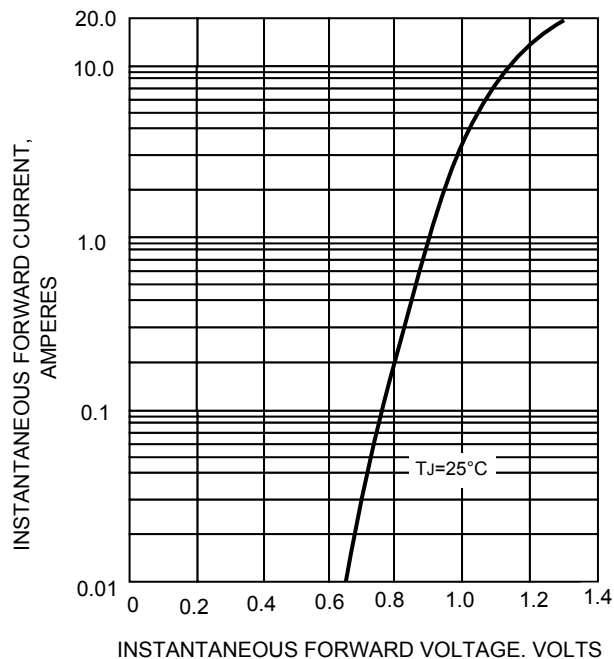


FIG.3-TYPICAL REVERSE CHARACTERISTICS

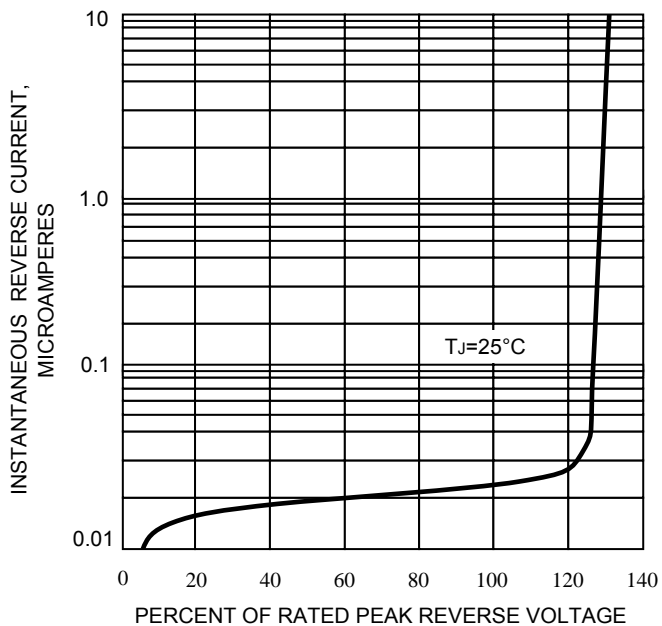
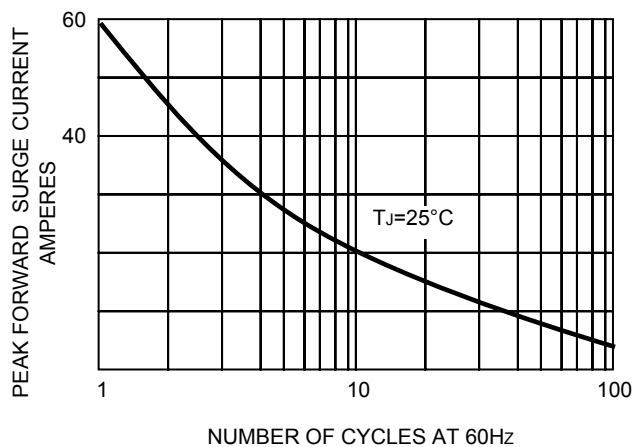


FIG.4-MAXIMUM FORWARD SURGE CURRENT



The curve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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