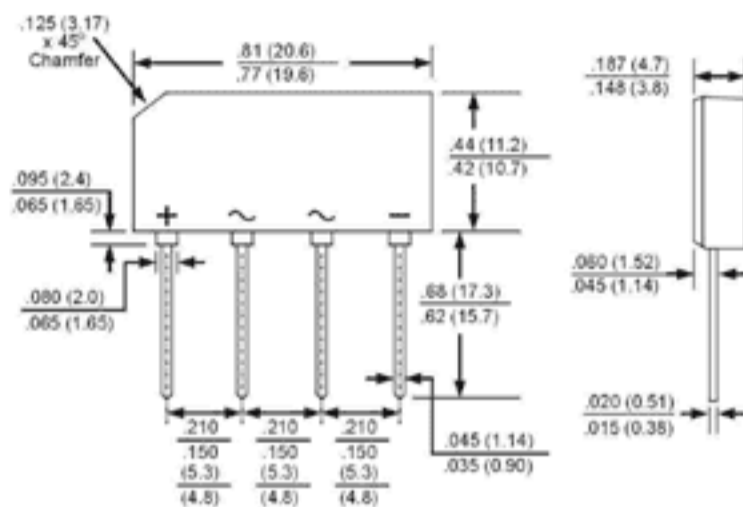


**GLASS PASSIVATED  
BRIDGE RECTIFIERS**
**REVERSE VOLTAGE - 50 to 1000 Volts**  
**FORWARD CURRENT - 4.0 Amperes**
**FEATURES**

- Surge overload rating - 150 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting Position: Any


**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	GBL005G	GBL01G	GBL02G	GBL04G	GBL06G	GBL08G	GBL10G	UNIT
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Output Current at T <sub>A</sub> =50°C (Note 1)	4.0							A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load	150							A
Maximum Forward Voltage Drop per Bridge Element at 2.0A Peak	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	10.0							μA
Maximum Reverse Current at Rated DC Blocking Voltage and 150° T <sub>A</sub>	1.0							mA
Operating and Storage Temperature Range T <sub>A</sub>	-55 to +150							°C

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