



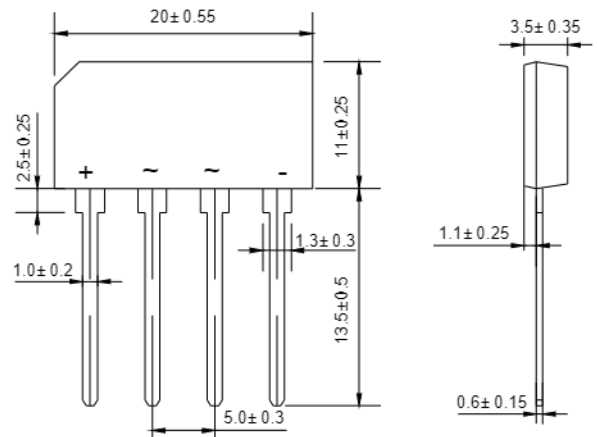
GBL6005 THRU GBL610

BRIDGE RECTIFIERS

FEATURES

- ◇ Rating to 1000V PRV
- ◇ Surge overload rating to 125 Amperes peak
- ◇ Ideal for printed circuit board
- ◇ Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- ◇ Lead solderable per MIL-STD-202 method 208
- ◇ Glass passivated junctions

GBL



Dimensions in millimeters

Maximum Ratings and Electrical Characteristics

Ratings 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	GBL 6005	GBL 601	GBL 602	GBL 604	GBL 606	GBL 608	GBL 610	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ TA=50°C (Note1)	I(AV)	6.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	125							A
Maximum Forward Voltage Drop Per Bridge Element at 3.0A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage	IR	10.0							µA
Maximum Reverse Current at Rated DC Blocking Voltage @ TA =150°C	IR	1.0							mA
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

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



GBL6005 THRU GBL610 BRIDGE RECTIFIERS

Characteristic Curves ($T_A=25^\circ\text{C}$ unless otherwise noted)

