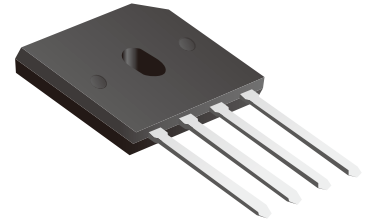


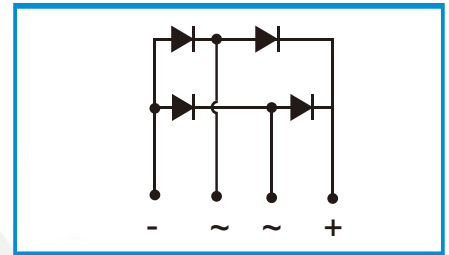
Glass Passivated Bridge Rectifiers

Features

- Polarity:AS Marked on body
- Surge overload ratings to 200 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has U/L
The flammability classification 94V-0
- Mounting Position:Any
- Weight:0.138ounce,3.9 grams



Functional Diagram



Maximum Ratings & Thermal Characteristics

Rating at 25°C ambient temperature unless otherwise specified,Resistive or inductive load,60HZ.
 For Capacitive load derate current by 20%

Parameter	Symbol	LTGU 6005G	LTGU 601G	LTGU 602G	LTGU 604G	LTGU 606G	LTGU 608G	LTGU 610G	unit
Marking		GBU 6005G	GBU 601G	GBU 602G	GBU 604G	GBU 606G	GBU 608G	GBU 610G	
Maximum repetitive 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 at TA=40°C	IF(AV)	6.0 2.8							A
Peak forward surge current single sine-wave superimposed on rated load(JEDEC Method)	IFSM	200							A
Maximum instantaneous forward voltage drop per leg at 4.0A	VF	1.0							V
Maximum DC reverse current at rated TA=25°C DC blocking voltage per element TA=125°C	IR	5 500							uA
Rating for fusing(t<8.3ms)	I ² t	166							A ² sec
Typical junction capacitance per element(1)	Cj	72							pF
Typical thermal resistance per element(2)	RθJC	1.6							°C/W
Operating junction and storage temperature range	Tj TSTG	-55 to +150							°C

Notes: (1)Measured at 1.0MHz and applied reverse voltage of 4.0 volts.
 (2)Device mounted on 150mm*150mm*1.6mm Cu plate heatsink.

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

FIG.1- FORWARD CURRENT DERATING CURVE

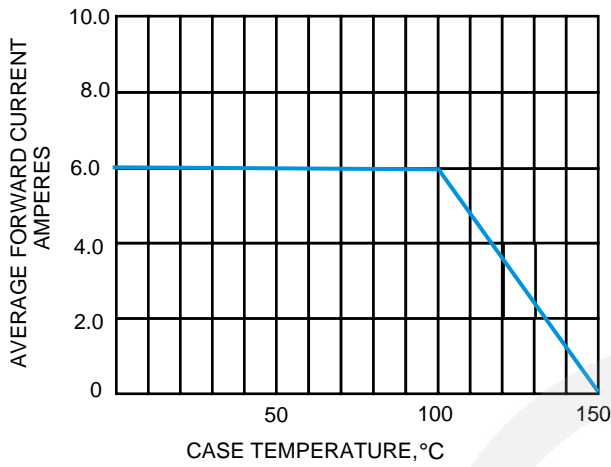


FIG.2-MAXIMUM FORWARD SURGE CURRENT

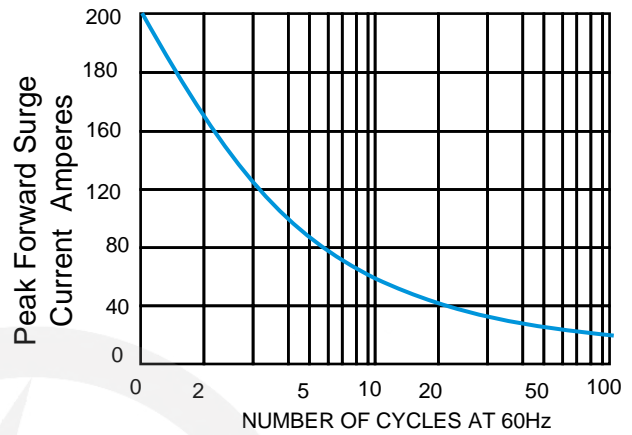


FIG.3-TYPICAL JUNCTION CAPACITANCE

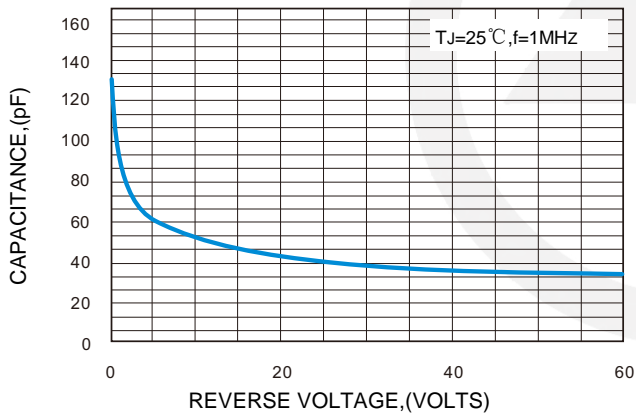


FIG.4-TYPICAL FORWARD CHARACTERISTICS

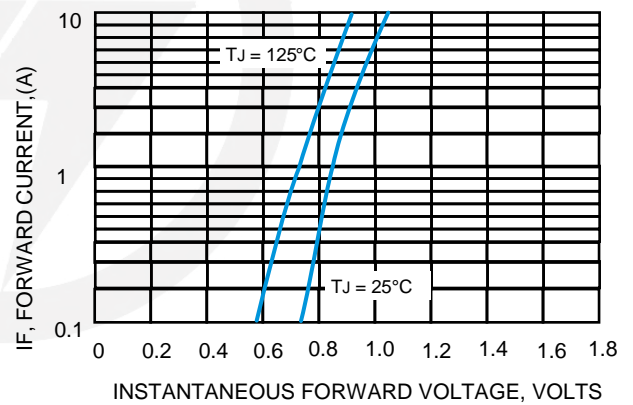
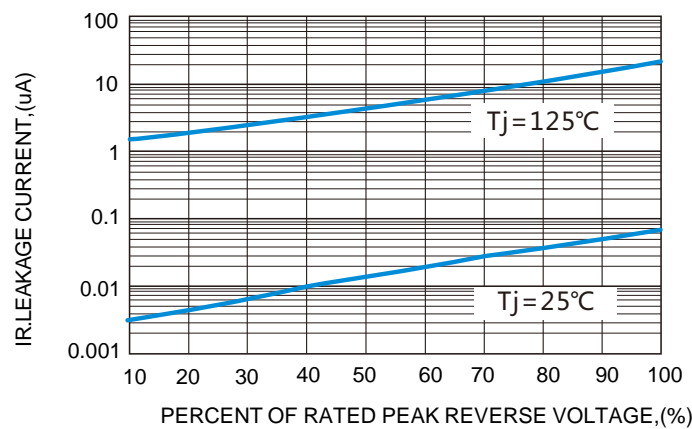
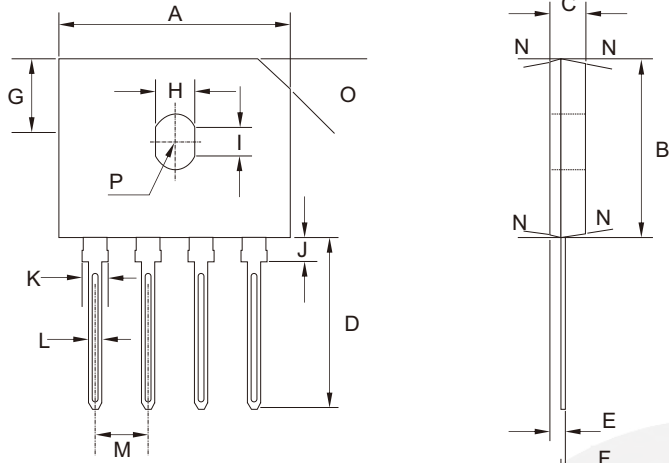


FIG.5-TYPICAL REVERSE CHARACTERISTICS

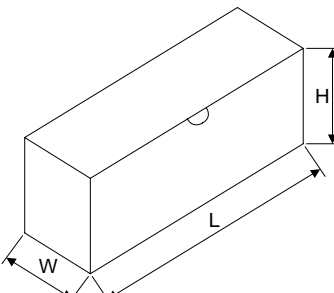


GBU Package Outline



Symbol	Dimensions In Millimeters	
	Min	Max
A	21.80	22.30
B	18.30	18.80
C	3.30	3.56
D	17.50	18.00
E	0.76	1.00
F	0.46	0.56
G	7.40	7.90
H	3.50	4.10
I	1.65	2.16
J	1.85	2.75
K	1.95	2.35
L	1.02	1.27
M	4.83	5.33
N	7°TYP.	
O	3.2x45°	
P	1.90	

Packaging

Box 	L	314±5.0
	W	106±5.0
	H	39.0±5.0
	Quantity: 350PCS	