

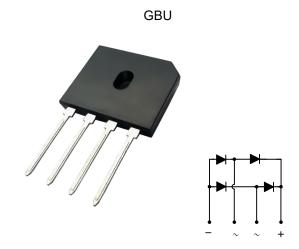
4.0AMP Glass Passivated Bridge Rectifier

1. Features

- Glass passivated die construction
- Low forward voltage drop
- · High current capability
- High surge current capability

2. Mechanical Data

- Case:Molded Plastic,GBU.
- Epoxy:UL 94V-0 rate flame retardant.
- Terminals:Plated Leads Solderable per MIL-STD-750,Method-2026.
- Marking:marked on body.



3. Maximum Ratings and Electrical Characteristics

Electrical Characteristics Rating at 25 $^\circ\!\!\mathrm{C}$ ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	GBU4005GI	GBU401GI	GBU402GI	GBU404GI	GBU406GI	GBU408GI	GBU410GI	UNIT
	Code	GBU4005G	GBU401G	GBU402G	GBU404G	GBU406G	GBU408G	GBU410G	0.111
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Average Rectified(with heatsink)@Tc=135°COutput Current(without heatsink)@TA=25°C	IF(AV)	4 2.3					A		
Peak Forward Surge Current 8.3ms @Tj=25°C		130							
Single half sine-wave superimposed @Tj=125°C	IFSM				104				А
on rated load (JEDEC Method)									
I^2 t Rating for Fusing (t < 8.3ms)	l ² t	70					A ² S		
Maximum Instantaneous Forward Voltage @IF=2A	Vfm	1.0					V		
Maximum DC reverse current @Tj=25°C		5.0 200				uA			
at rated DC blocking voltage @Tj=125°C	lr								
Dielectric Strength	Vids	2500				V			
The proposed installation torque Max torque	Tor	Тур. 5.0 Мах 8.0				Kgf.cm			
Typical Junction Capacitance (Note 1)	Cj	30					pF		
	Reja	25							
Typical Thermal Resistance	Rejl	3.5					°C/W		
	Rejc	2.0							
Operating Temperature Range	Tj	-55 to+150				°C			
Storage Temperature Range	Тѕтс	-55 to+150				°C			

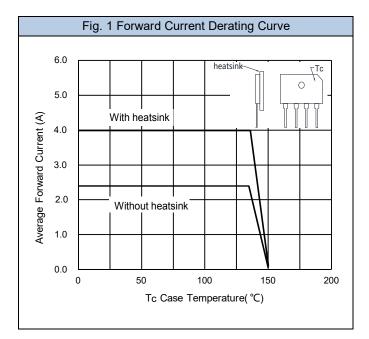
Note:

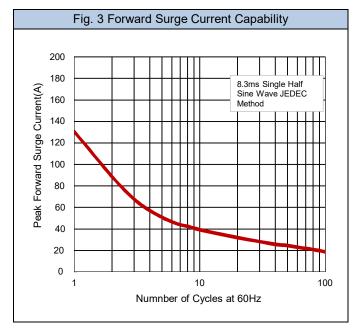
1. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C

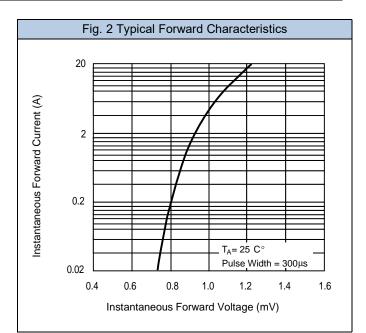


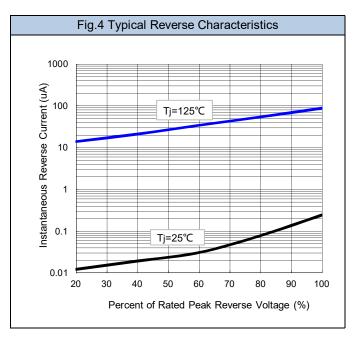
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4. Rating And Characteristic Curves





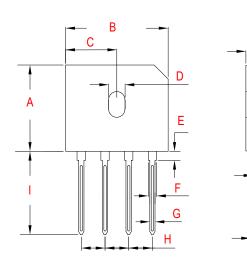






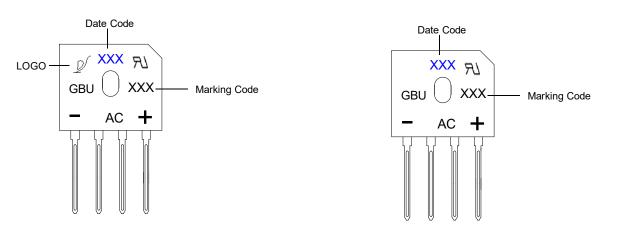
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5. Dimensions



Dimensions	Inc	hes	Millimeters		
Dimensions	Min	Max	Min	Max	
A	0.720	0.752	18.3	19.1	
В	0.858	0.874	21.8	22.2	
С	0.429	0.437	10.9	11.1	
D	0.146	0.154	3.7	3.9	
E	0.083	0.094	2.1	2.4	
F	0.087	0.091	2.2	2.3	
G	0.035	0.051	0.9	1.3	
Н	0.189	0.209	4.8	5.3	
I	0.680	0.720	17.3	18.3	
J	0.133	0.139	3.37	3.53	
К	0.217	0.232	5.5	5.9	
L	0.071	0.087	1.8	2.2	
М	0.018	0.087	0.46	0.56	

6. Part Marking System



J

K

L

М

7. Package Information

Package	Miniimum Package	Inner Box	Outer Carton	Delivery	
	(pcs)	Quantity(pcs)	Quantity(pcs)	Mode	
GBU	20	1000	2000	Tube	



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