

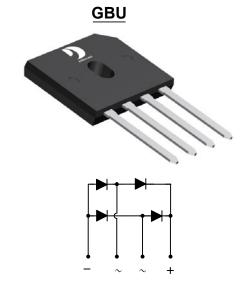
GBU4005G thru GBU410G

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 4.0 Amperes

FEATURES

- Polarity:As marked on body
- Surge overload rating -150 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L
 The flammability classification 94V-0
- Mounting postition:Any
- Weight: 0.138 ounces , 3.9 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

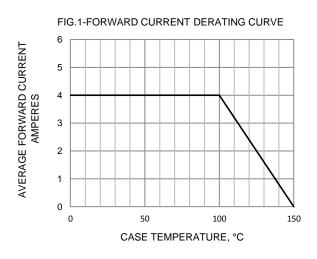
CHARACTERISTICS	SYMBOL	GBU 4005G	GBU 401G	GBU 402G	GBU 404G	GBU 406G	GBU 408G	GBU 410G	UNIT	
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100℃ (without heatsink)	I(AV)	4.0 2.4								
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	150								
Maximum Forward Voltage at 2.0A DC	VF	1.0								
Maximum DC Reverse Current J=25°C at Rated DC Blocking Voltage J=125°C	lr	5.0 500								
I ² t Rating for Fusing (t<8.3ms)	I ² t	93								
Typical Junction Capacitance Per Element (Note1)	CJ	39								
Typical Thermal Resistance (Note2)	Rejc	4.0								
Operating Temperature Range	TJ	-55 to +150								
Storage Temperature Range	Тѕтс	-55 to +150								

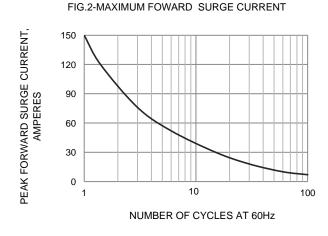
NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

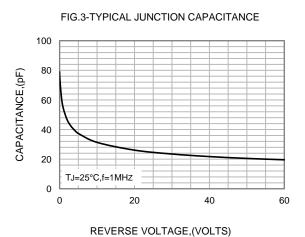
2.Device mounted on 150mm*150mm*1.6mm Cu Plate Heatsink.

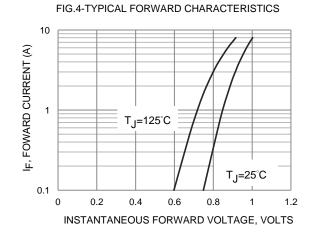
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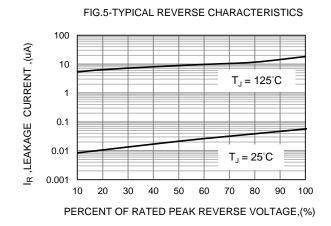
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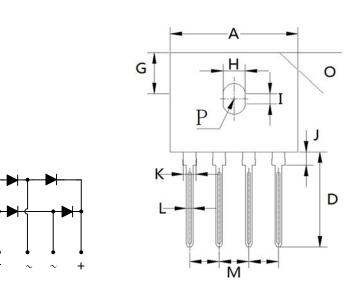
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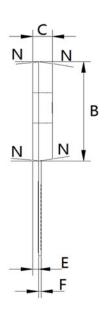
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GBU Package Outline Dimensions





GBU mechanical data

UNIT		Α	В	С	D	Е	F	G	Н	1	J	K	L	М	N	0	Р
mm	max	22.30	18.80	3.56	18.00	1.00	0.56	7.90	4.10	2.16	2.75	2.35	1.27	5.33	7.0° TYPICAL	3.2X45°	1.90 RADIUS
	min	21.80	18.30	3.30	17.50	0.76	0.46	7.40	3.50	1.65	1.85	1.95	1.02	4.83			
	max	878	740	140	709	39	22	311	161	85	108	93	50	210			75 RADIUS
mil	min	858	720	130	689	30	18	291	138	65	73	77	40	190		126*45°	

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