

Sichuan Xu Mao Micro Technology Co.,Ltd

## GBU806 THRU GBU810

#### Bridge Rectifiers Reverse Voltage600-1000v Forward current-8A

#### Features

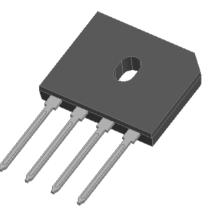
Glass passivated chip High surge current capability Ldeal for surface mounted applications Low power loss, high efficiency Plastic Case Material has UL Flammability

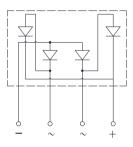
#### Mechanical Data

Package: GBU Terminals:Tin Plated leads, solderable per Mil-STD-750 Method 2026 Polarity: As marked Molding compound meets UL 94 V-0 flammability rating, ROHS-compliant

#### Maximum Ratings (Ta=25°C Unless otherwise

Type Number	SYMBOL	GBU 806	GBU 808	GBU 810	Umit
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	600	800	1000	V
Maximum Average Forward Rectified Current at TL = 100 $^{\circ\!$	IO <sub>(AV)</sub>	8.0		A	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	160.0		- A	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃	320.0				
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l <sup>2</sup> t	106.2		A <sup>2</sup> S	
Maximum Forward Voltage at 8.0A DC	V <sub>FM</sub>	1.1		V	
Maximum Reverse Current TA = 25 °C	IR	5 100		uA	
at Rated DC Blocking Voltage TA = 100 $^\circ\!$					
Typical Junction Capacitance	CJ	40		pF	
Typical Thermal Resistance	$R_{QJa}$	75.0		°C/W	
Operating Junction Temperature Range	TJ			°C	
Storage Temperature Range	T <sub>STG</sub>			°C	







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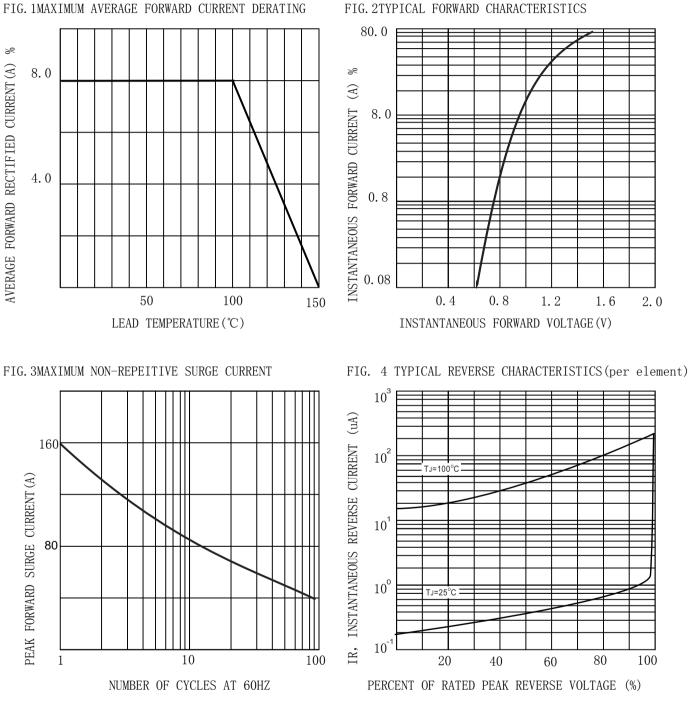
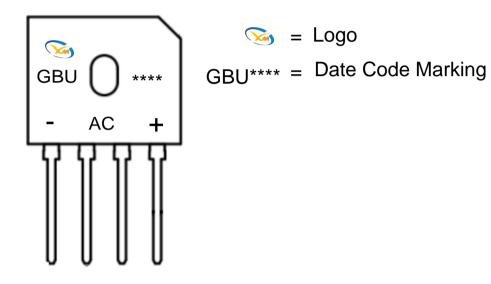


FIG. 1MAXIMUM AVERAGE FORWARD CURRENT DERATING



### **MARKING INFORMATION**



Print according to customer request

# **PACKING REQUIRMENTS**

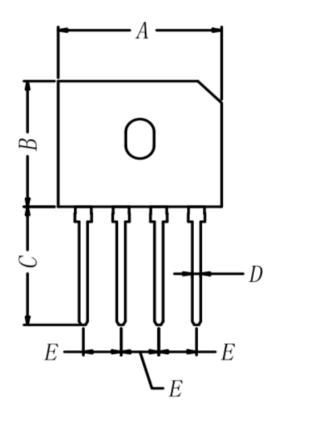
• Ps The carton packaging

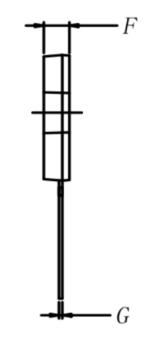
DEVICE	Q'TY/REE	BOX/CAR	Q'TY/REE
TYPE	L (pcs)	TOON	L (pcs)
GBU	500	10	5000



## Outline Dimensions

GBU





GBU						
DIM	INC HES		ММ			
	MIN	MAX	MIN	MAX		
А	0.86	0.87	21.8	22.2		
В	0.72	0.74	18.3	18.7		
С	0.70	0.72	17.8	18.2		
D	0.04	0.05	1.05	1.25		
E	0.19	0.21	4.85	5.35		
F	0.13	0.14	3.3	3.6		
G	0.02	0.02	0.4	0.5		



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