

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

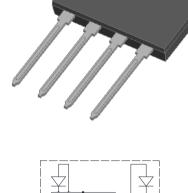
Terminals:Tin Plated leads, solderable per

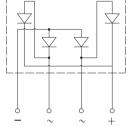
Mil-STD-750 Method 2026

Polarity: As marked

Molding compound meets UL 94 V-0 flammability rating,

ROHS-compliant





Maximum Ratings (Ta=25℃ Unless otherwise specified)

<u> </u>				
Type Number	SYMBOL	GBU610	Umit	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	1000	V	
Maximum RMS Voltage	V_{RMS}	700	V	
Maximum DC Blocking Voltage	V_{DC}	1000	V	
Maximum Average Forward Rectified Current at TL = 100 $^{\circ}$	IO _(AV)	6.0	А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IECM	150.0	A	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25°C	IFSM	300.0		
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l ² t	93.4	A ² S	
Maximum Forward Voltage at 8.0A DC	V_{FM}	1.1	V	
Maximum Reverse Current TA = $25 ^{\circ}$	Ī.	5		
at Rated DC Blocking Voltage TA = 100℃	IR	100	uA	
Typical Thermal Resistance	R_{QJa}	75.0	°C/W	
Operating Junction Temperature Range	T_J	—55to+150	$^{\circ}\!\mathbb{C}$	
Storage Temperature Range	T _{STG}	55to+150	$^{\circ}$ C	
	1			

FIG. 1MAXIMUM AVERAGE FORWARD CURRENT DERATING

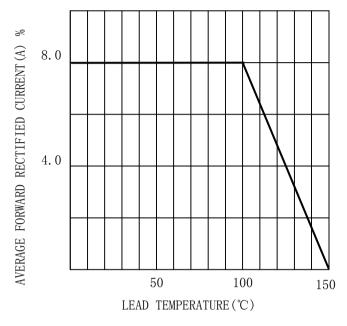


FIG. 2TYPICAL FORWARD CHARACTERISTICS

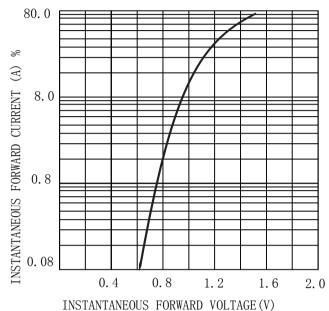


FIG. 3MAXIMUM NON-REPEITIVE SURGE CURRENT

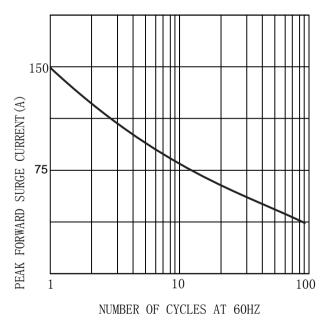
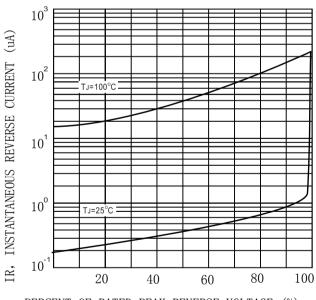
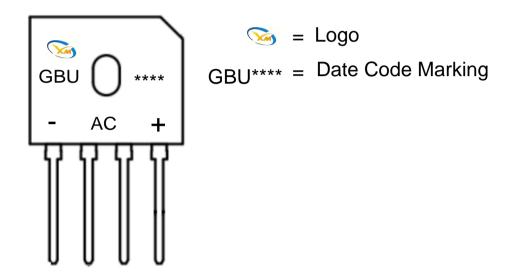


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)



PERCENT OF RATED PEAK REVERSE VOLTAGE (%)

MARKING INFORMATION



Print according to customer request

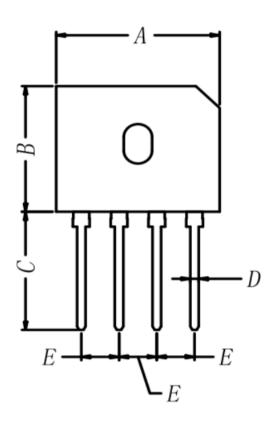
PACKING REQUIRMENTS

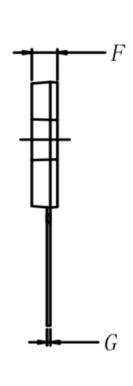
Ps The carton packaging

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		MM			
	MIN	MAX	MIN	MAX		
A	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		
Е	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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