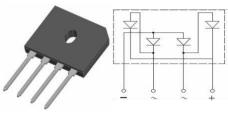


Reverse Voltage 50~1000V Ountput Current 6.0A

<u>Features</u>

- •Glass passivated Bridge Rectifiers
- Ideal for PCB
- •High surge current capability
- •Solder dip 275 °C max. 7 s, per JESD 22-B106





Typical Applications

•General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.

Mechanical Data

- •Case:GBU,Molding compound meets UL 94V-0 flammability rating,RoHS-compliant
- •Terminals:Tin plated leads, solderable per J-STD-002 and JESD22-B102
- •Polarity: As marked on body

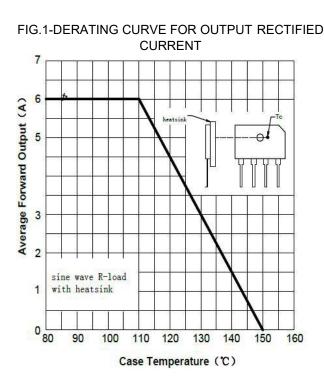
Maximum Ratings (TA = 25 °C unless otherwise noted)										
Parameter		Symbol	GBU6A	GBU6B	GBU6D	GBU6G	GBU6J	GBU6K	GBU6M	Unit
Maximum repetitive peak reverse voltage		V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage		V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage		V _{DC}	50	100	200	400	600	800	1000	V
Average rectified output current at 60Hz sinewave, R-load	TC=110°C					6.0		<u> </u>		
	TA=25°C	I _{F(AV)}	2.8							А
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)		I _{FSM}	150						А	
Rating for fusing (t≪8.3ms)		l ² t	94						A ² s	
Operating junction temperature range		TJ	-55 to 150						°C	
Storage temperature range		T _{STG}	-55 to 150						°C	

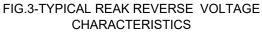
GOOD-ARK Electronics

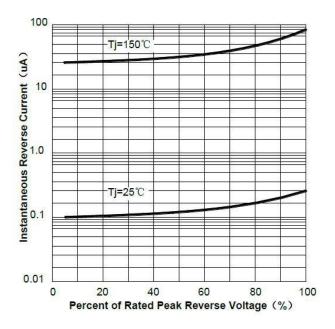
Electrical Characteristics (TA = 25 °C unless otherwise noted)										
Parameter	Test Conditions	Symbol	GBU6A	GBU6B	GBU6D	GBU6G	GBU6J	GBU6K	GBU6M	Unit
Maximum instantaneous forward voltage	I _F =3.0A	V _F	1.0						Volts	
Maximum DC reverse current at rated DC blocking voltage	T _A =25° C		5.0							μA
	T _A =125° C	I _R	250							
		R _{0JA}	26							
Typical thermal resistance	R _{0 JC}	3. 4							° C/W	

Ratings and Characteristics Curves

(TA = 25°C unless otherwise noted)







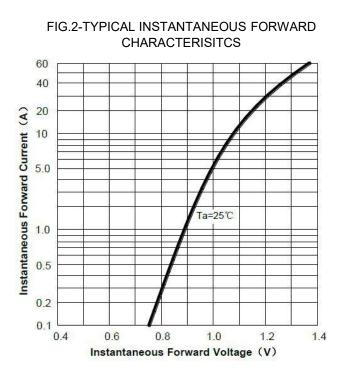
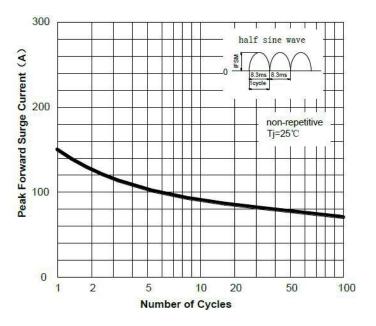
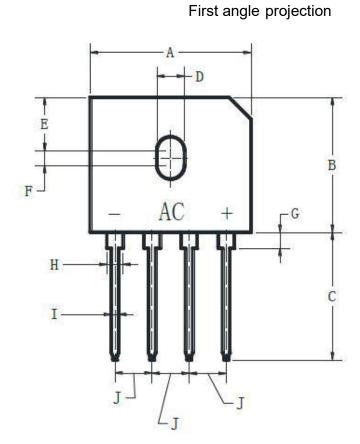


FIG.4-MAXIMUM NON-REPETITEVE PEAK FORWARD SUGER CURRENT



Package Outline Dimensions

Dimensions in millimeters



elevation view



GBU						
Dim	Min	Max				
Α	21.70	22.30				
В	18.20	19.10				
С	17.20	18.29				
D	3.40	4.10				
E	7.40	7.90				
F	1.65	2.16				
G	1.53	2.54				
Н	1.65	2.54				
I	0.90	1.27				
J	4.80	5.33				
К	3.30	3.56				
L	2.30	3.00				
М	0.45	0.56				

left elevation

Revision History

Document Version	Date of release	Discroption of changes		
Rev.A	2021/3/1	Released Datasheet		
Rev.B	2023/12/17	Modify document format		

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