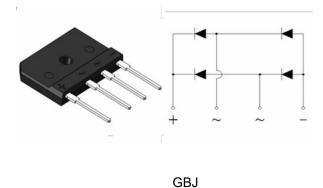


GOOD-ARK Electronics

Reverse Voltage50V~1000V Output Current 35A

Features

- Thin Single In-Line package;
- Ideal for printed circuit boards;
- Glass Passivated chip junction;
- High Surge current capability;
- High case dielectric strength of 2500 VRMS;
- Plastic package has Underwrites Laboratory
- Flammability Classification 94V-0;



Typical Applications

•General purpose use in AC-to-DC bridge full wave rectification for Switching Power Supply, Home Appliances, Office Equipment, Industrial Automation applications.

Mechanical Data

- Case: GBJ(5S)Molded plastic body;Base P/N with suffix"E" on packing code-halogen free
- Terminals:Plated leads solderable per MIL-STD-750, Method 2026;
- High temperature soldering guaranteed: Solder Dip 260°C, 10seconds;
- Polarity: As marked on body;
- Mounting Torgue: 10cm-kg (8.8 inches-lbs) max;
- Recommend Torgue: Mounting Torgue: 5.7cm-kg (5inches-lbs);

Maximum Ratings (TA = 25 °C unless otherwise noted)									
Parameter	Symbol	GBJ35A	GBJ35B	GBJ35D	GBJ35G	GBJ35J	GBJ35K	GBJ35M	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
Maximum average forward rectified outputcurrent	I _{F(AV)}	35						А	
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load							A		
Rating for fusing(t<8.3ms)	l ² t	667				A ² sec			
Operating junction and storage temperature range	T _J , T _{STG}	_G - 55 to + 150					°C		



Electrical Characteristics (TA = 25 °C unless otherwise noted)										
Parameter		Symbol	GBJ35A	GBJ35B	GBJ35D	GBJ35G	GBJ35J	GBJ35K	GBJ35M	Unit
Maximum instantaneous forwa per leg at 17.5A	V _F	1.10							Volts	
Maximum DC reverse at rated	TA=25°C				5.00					
DC blocking voltage per leg	TA=125°C	I _R	250.00					μA		

Thermal Characteristics									
Parameter	Symbol	GBJ35A	GBJ35B	GBJ35D	GBJ35G	GBJ35J	GBJ35K	GBJ35M	Unit
	R0JA (2)	22 ⁽²⁾							
Typical thermal resistance per leg	Rejc (3)	0.8 ⁽¹⁾							

1). Unit case mounted on AI plate heatsink;

2). Units mounted on PCB without heatsink;

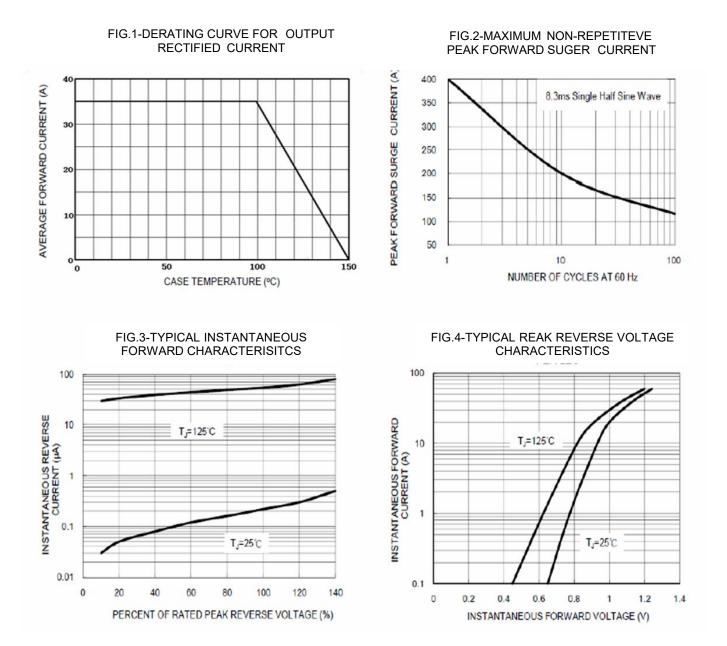
3). Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with M3 screw.



GOOD-ARK Electronics

Ratings and Characteristics Curves

(TA = 25°C unless otherwise noted)





4.6±0.2 3.6±0.2

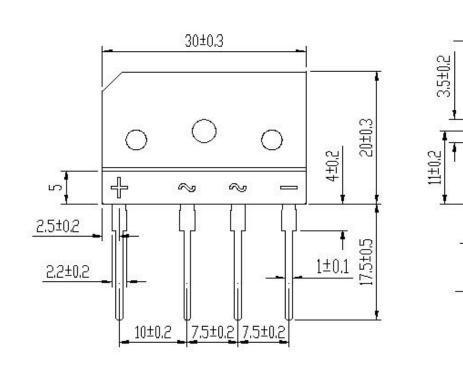
3,2±0,2

0.7±0,1

2.7±0.2

Package Outline Dimensions

in millimeters



elevation view

First angle projection

right 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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