



GBJ35005 THRU GBJ3510

Reverse Voltage - 50 to 1000 Volts Forward Current - 35.0 Amperes

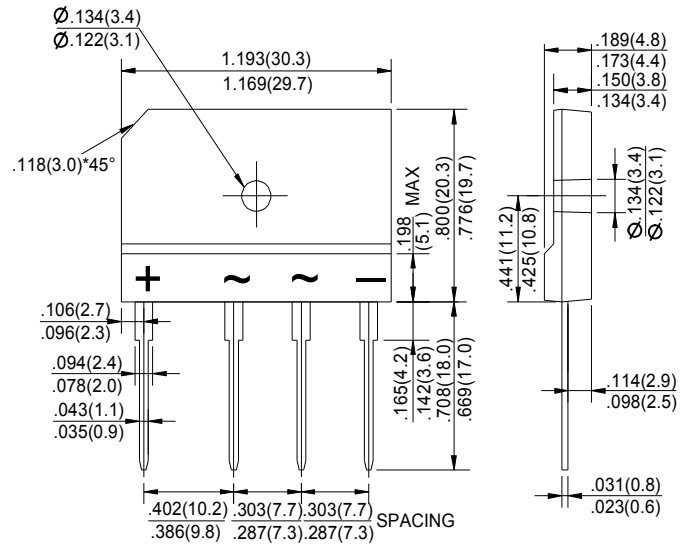
Features

- Glass Passivated Die Construction
- Low Reverse Leakage Current
- Surge Overload Rating to 240A Peak
- Ideal for Printed Circuit Board Applications
- Plastic Material - UL Flammability Classification 94V-0
- UL Listed Under Recognized Component Index, File Number # E469616

Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads, Solderable per MIL-STD-202, Method 208
- Polarity: Molded on Body
- Mounting: Through Hole for #6 Screw
- Mounting Torque: 5.0 in-lbs Maximum
- Weight: 6.6 grams (approx)
- Marking: Type Number

GBJ6



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics @ T_A = 25°C unless otherwise specified

Single phase, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

Characteristic	Symbol	GBJ 35005	GBJ 3501	GBJ 3502	GBJ 3504	GBJ 3506	GBJ 3508	GBJ 3510	Unit
Peak Repetitive Reverse Voltage	V _{RRM}								V
Working Peak Reverse Voltage	V _{RWM}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V _R								V
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Forward Rectified Output Current (Note 1) @ T _C = 100°C	I _o	35.0							A
Non-Repetitive Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	400							A
Forward Voltage (per element) @ I _F = 12.5A	V _{FM}	1.1							V
Peak Reverse Current @ T _C = 25°C at Rated DC Blocking Voltage @ T _C = 125°C	I _R	10 500							µA
I ² t Rating for Fusing (t < 8.3ms) (Note 1)	I ² t	510							A ² s
Typical Junction Capacitance (per element) (Note 2)	C _j	85							pF
Typical Thermal Resistance Junction to Case (Note 3)	R _{θJC}	0.6							°C/W
Operating and Storage Temperature Range	T _j , T _{STG}	-55 to + 150							°C

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

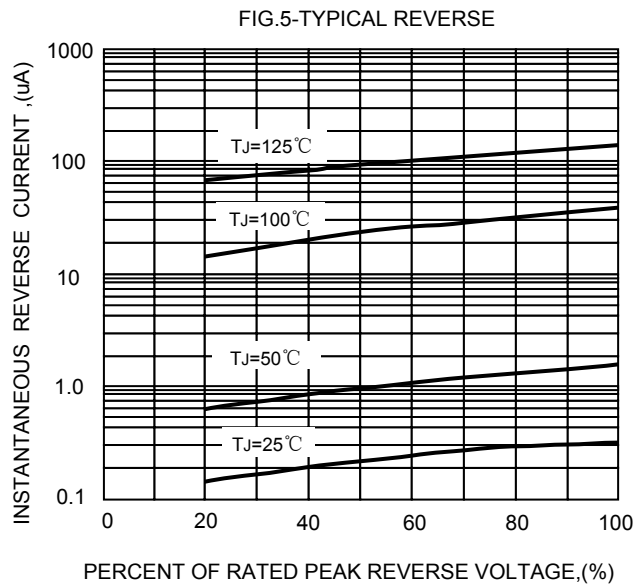
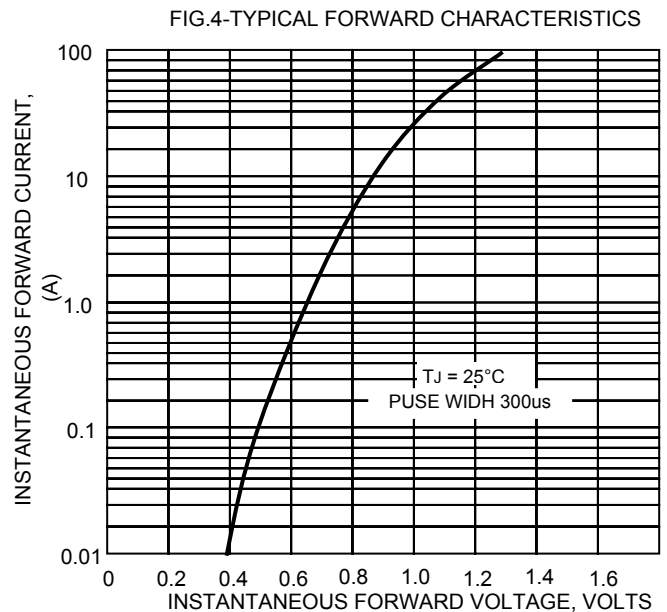
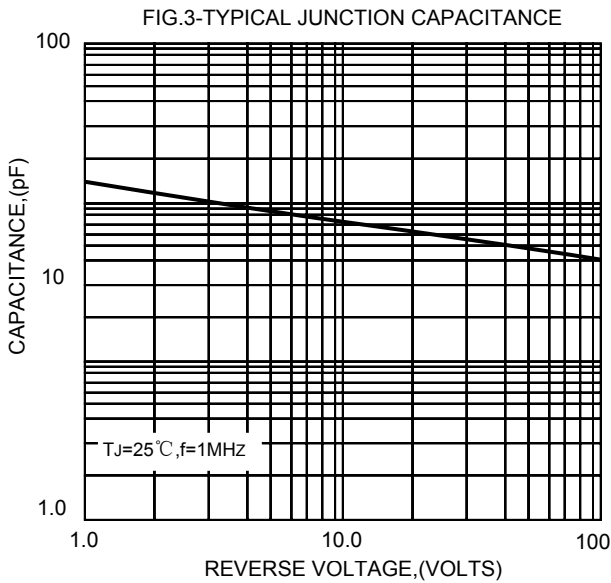
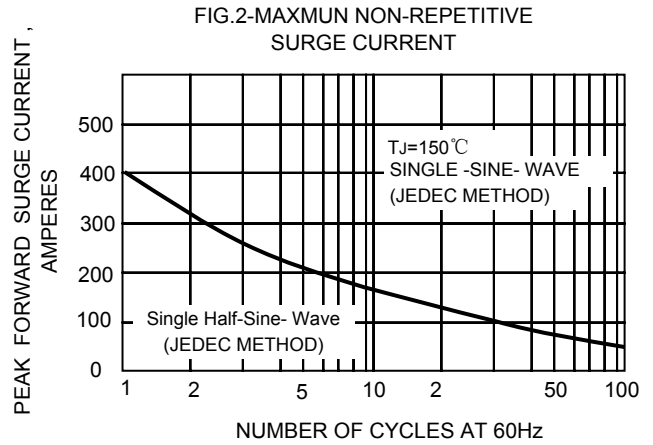
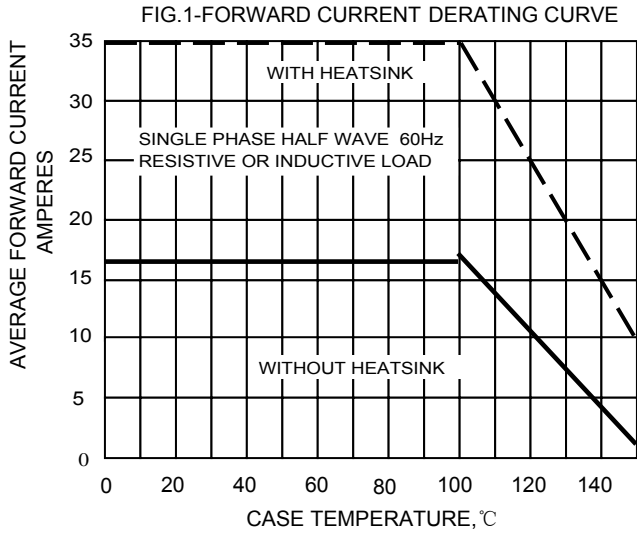
2. Device mounted on 300mm*300mm*1.6mm Cu plate heatsink.



GBJ35005 THRU GBJ3510

Reverse Voltage - 50 to 1000 Volts Forward Current - 35.0 Amperes

Rating and Characteristic Curves ($T_A = 25^\circ\text{C}$ Unless otherwise noted)



单击下面可查看定价，库存，交付和生命周期等信息

[>>ZG\(中鑫半导体\)](#)