

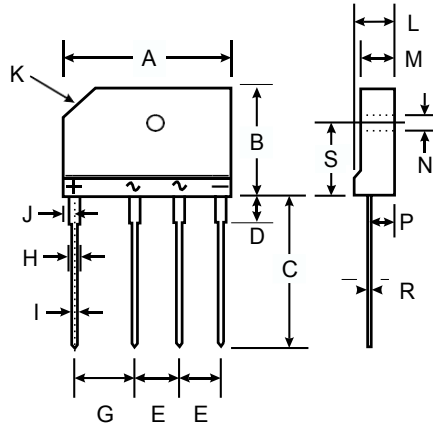
35A Glass Passivated Bridge Rectifier

Features

- Glass Passivated Die Construction
- High Case Dielectric Strength of 1500V_{RMS}
- Low Reverse Leakage Current
- Surge Overload Rating to 400A Peak
- Ideal for Printed Circuit Board Applications
- Plastic Material - UL Flammability Classification 94V-0
- UL Listed Under Recognized Component Index, File Number E94661

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



GBJ		
Dim	Min	Max
A	29.70	30.30
B	19.70	20.30
C	17.00	18.00
D	3.80	4.20
E	7.30	7.70
G	9.80	10.20
H	2.00	2.40
I	0.90	1.10
J	2.30	2.70
K	3.0 X 45°	
L	4.40	4.80
M	3.40	3.80
N	3.10	3.40
P	2.50	2.90
R	0.60	0.80
S	10.80	11.20
All Dimensions in mm		

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

MDD Catalog Number	SYMBOLS	GBJ 35005	GBJ 3501	GBJ 3502	GBJ 3504	GBJ 3506	GBJ 3508	GBJ 3510	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	1000	VOLTS
Maximum Average Forward (with heat sink Note 2) Rectified Current @ T _c = 100°C (without heat sink)	I _(AV)	35.0 5.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	400							Amps
Maximum instantaneous forward voltage drop per bridge element at 17.5A	V _F	1.1							Volts
Maximum DC reverse current T _A = 25°C at rated DC blocking voltage T _A = 125°C	I _R	10 0.5							μA mA
I _t Rating for Fusing (t < 8.3ms)	I ² t	510							A ² s
Typical Junction Capacitance (Note 1)	C _J	85							pF
Typical Thermal Resistance (Note 2)	R _{θJC}	0.6							°C/W
Operating junction temperature range	T _J	-55 to +150							°C
storage temperature range	T _{STG}	-55 to +150							°C

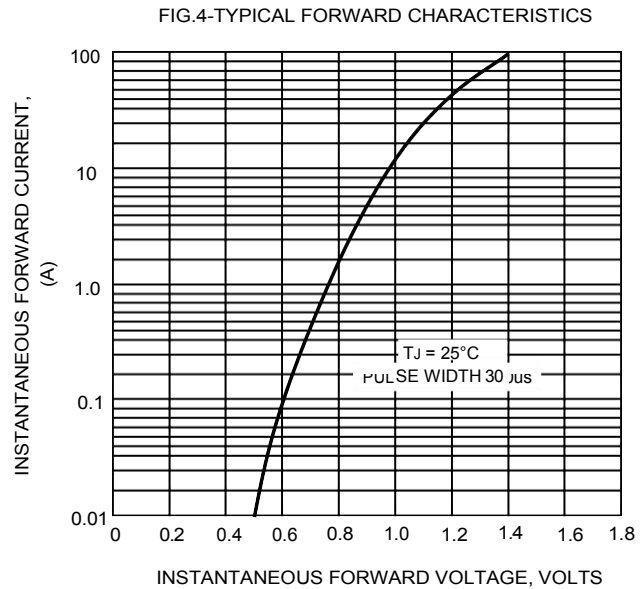
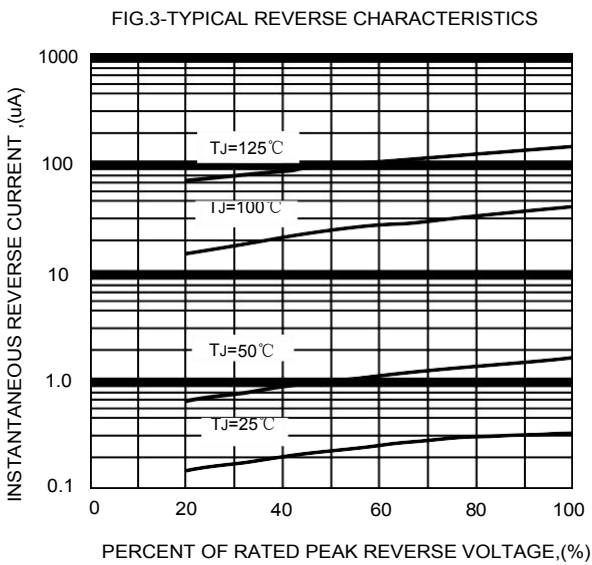
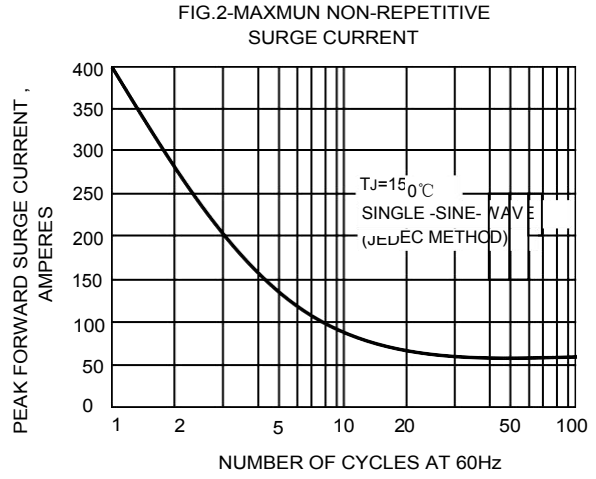
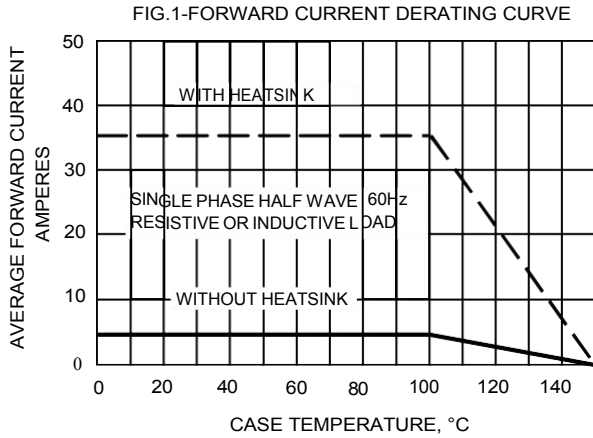
NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2. Device mounted on 75mm*75mm*1.6mm Cu plate heat sink.

3. The typical data above is for reference only (典型值仅供参考).

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RATINGS AND CHARACTERISTIC CURVES GBJ35005 THRU GBJ3510



The cruve graph is for reference only, can't be the basis for judgment.