



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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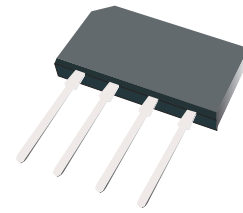


GBL005-G Thru. GBL10-G

Reverse Voltage: 50 to 1000V

Forward Current: 4.0A

RoHS Device

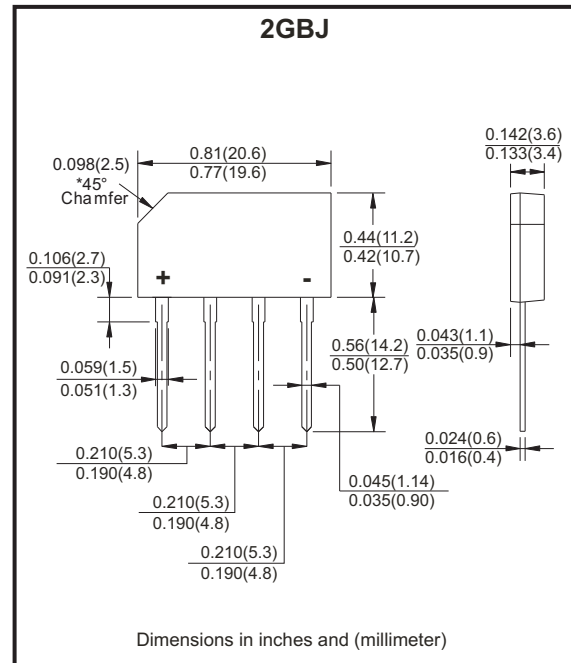


Features

- Surge overload rating -125 amperes peak.
- Ideal for printed circuit board.
- UL recognized file # E349301

Mechanical Data

- Epoxy: UL 94V-0 rate flame retardant.
- Case: Molded plastic, 2GBJ
- Mounting position: Any.
- Weight: 2.151 grams.



Maximum ratings and electrical characteristics

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Parameter	Symbol	GBL 005-G	GBL 01-G	GBL 02-G	GBL 04-G	GBL 06-G	GBL 08-G	GBL 10-G	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input 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 Output Current @ $T_A=50^\circ C$	$I_{(AV)}$	4.0							A
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Super Imposed On Rated Load	I_{FSM}	125							A
Maximum Forward Voltage Drop Per Bridge Element at 2.0A Peak	V_F	1.0							V
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	V_F	1.1							V
Maximum Reverse Current At Rate DC Blocking Voltage	I_R	10.0							μA
Maximum Reverse Current At Rate DC Blocking Voltage @ $T_J=100^\circ C$	I_R	1.0							mA
Operating Temperature Range	T_J	-55 to +150							$^\circ C$
Storage Temperature Range	T_{STG}	-55 to +150							$^\circ C$

Notes: 1. Mounting Conditions, 0.5" lead length maximum.

Company reserves the right to improve product design, functions and reliability without notice.

REV: C

Rating and Characteristics Curves (GBL005-G Thru. GBL10-G)

Fig.1 - Maximum Non-repetitive Surge Current

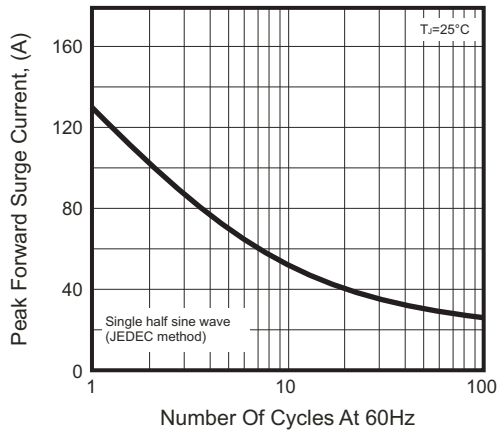


Fig.2 - Forward Derating Current

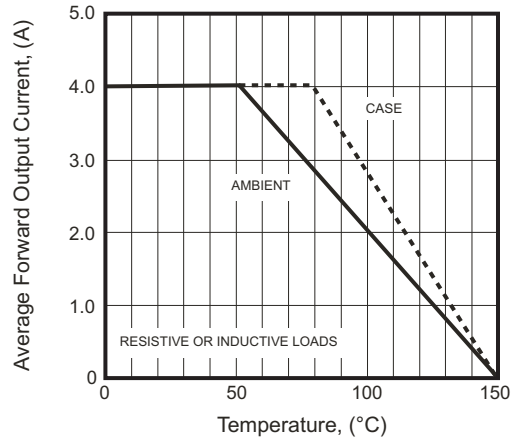


Fig.3 - Typical Forward Characteristics

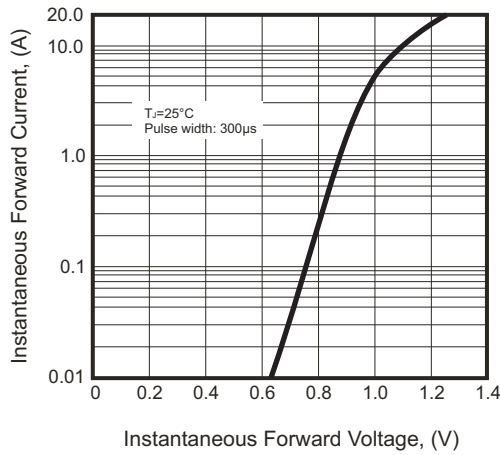
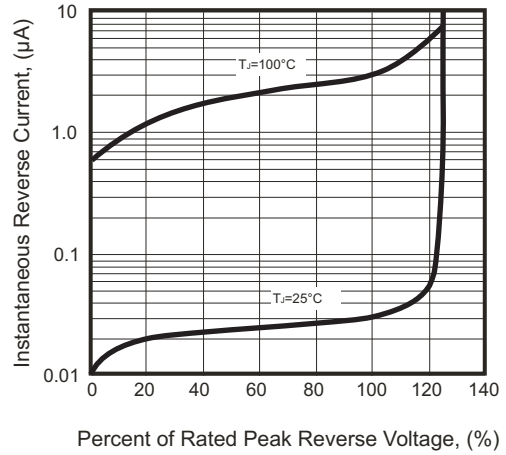
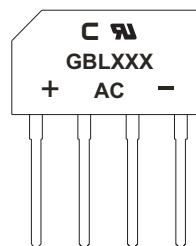


Fig.4 - Typical Reverse Characteristics



Marking Code

Part Number	Marking code
GBL005-G	GBL005
GBL01-G	GBL01
GBL02-G	GBL02
GBL04-G	GBL04
GBL06-G	GBL06
GBL08-G	GBL08
GBL10-G	GBL10



XX / XXX = Product type marking code
C = Compchip Logo

Standard Packaging

Case Type	TUBE PACK	
	TUBE (pcs)	Carton (pcs)
2GBJ	20	2,000