Elektronische Bauelemente

GBL005 ~ GBL10

Voltage 50V ~ 1000V

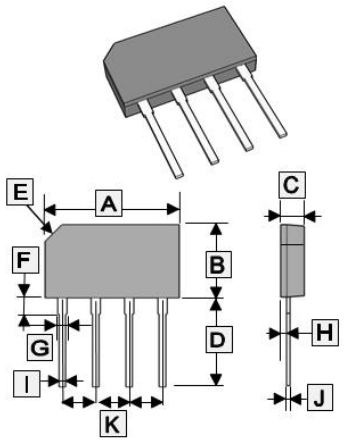
4.0 Amp Glass Passivited Bridge Rectifiers

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Surge overload rating - 125 amperes peak
- Ideal for printed circuit board
- The plastic material has Underwriters Laboratory flammability classification 94V-0
- Mounting position: Any

2GBJ



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	19.6	20.6	G	1.3	1.5
B	10.7	11.2	H	0.9	1.1
C	3.4	3.6	I	0.9	1.14
D	12.7	14.2	J	0.38	0.51
E	2.5x 45°		K	4.8	5.3
F	2.3	2.7			

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Part Number							Unit
		GBL 005	GBL 01	GBL 02	GBL 04	GBL 06	GBL 08	GBL 10	
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 Current @T_A=50°C [1]	$I_{(AV)}$	4							A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	125							A
Maximum Forward Voltage @ 4A DC	V_F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage @T_J=100°C	I_R	10							μA
		1000							
Operating and Storage temperature range	T_J,T_{STG}	-55~150							°C

Notes：

1. Mounting conditions,0.5〃 lead length maximum.

RATINGS AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

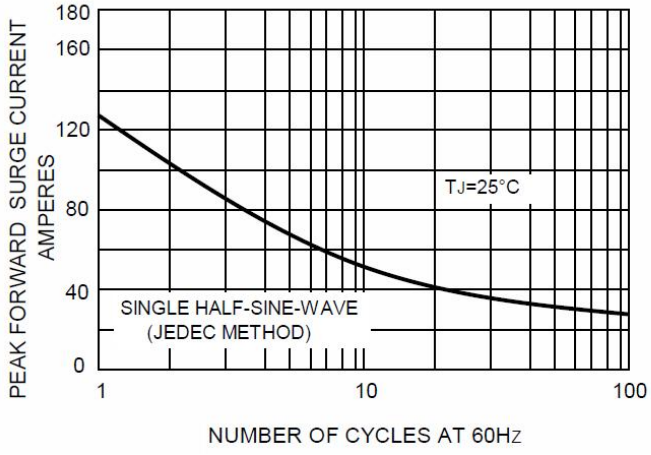


FIG.2-FORWARD DERATING CURRENT

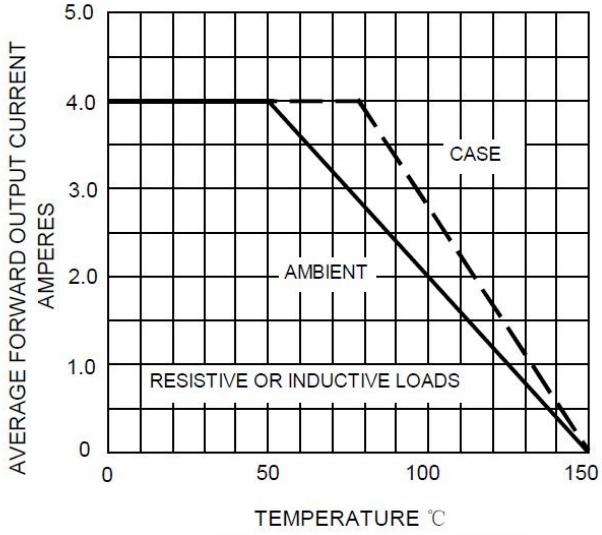


FIG.3-TYPICAL FORWARD CHARACTERISTICS

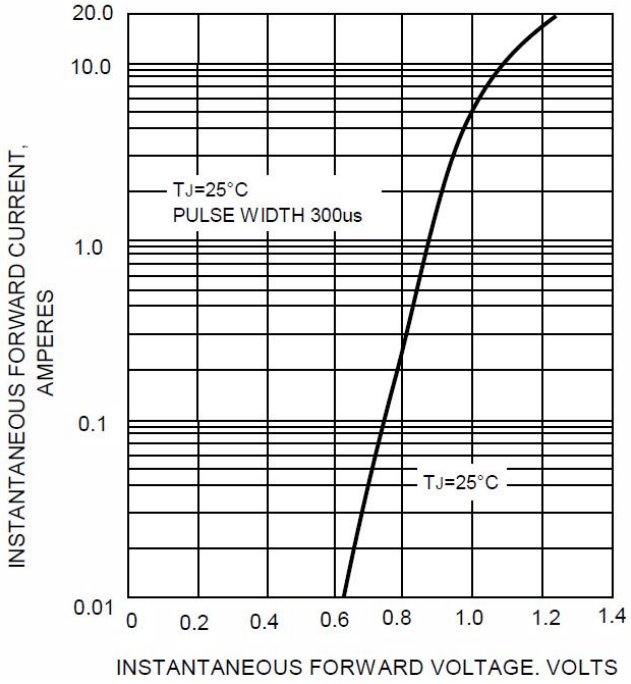


FIG.4-TYPICAL REVERSE CHARACTERISTICS