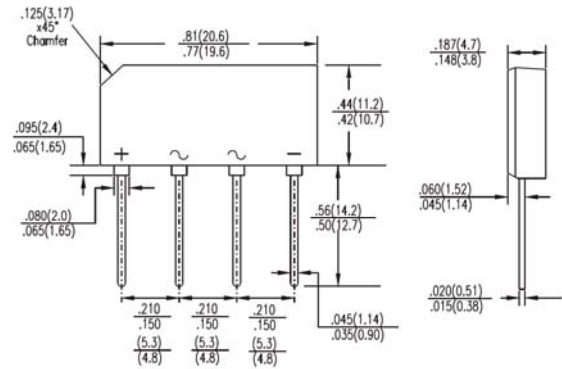


## FEATURES

- Surge overload rating - 50 amperes peak
- Ideal for printed circuit board
- The plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting Position: Any

## GBL



Dimensions in inches and (millimeters)

## 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, derate current by 20%.

		GBJ KBJ 2A	GBJ KBJ 2B	GBJ KBJ 2D	GBJ KBJ 2G	GBJ KBJ 2J	GBJ KBJ 2K	GBJ KBJ 2M	Units
Maximum Recurrent 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	$V_{DC}$	60	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Current at @ $T_A=50^\circ C$	$I_o$	2.0							Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load	$I_{FSM}$	50.0							Amp
Maximum DC Forward Voltage drop per element at 1.0A DC	$V_F$	1.0							Volts
Maximum Reverse Current at Rated DC Blocking Voltage per Element	$I_R$	10.0							uAmp
Maximum Reverse Current at Rated 0 DC Blocking Voltage per Element $T_A=100^\circ C$	$I_R$	1.0							mAmp
Operating Temperature Range	$T_J$	-55 to +150							°C
Storage Temperature Range	$T_{STG}$	-55 to +150							°C

### NOTE:

1. Mounting conditions, 0.5" lead length maximum.

## RATING AND CHARACTERISTICS CURVES (GBJ/KBJ2A THRU GBJ/KBJ2M)

Fig.2 - DERATING CURVE  
OUTPUT RECTIFIED CURRENT

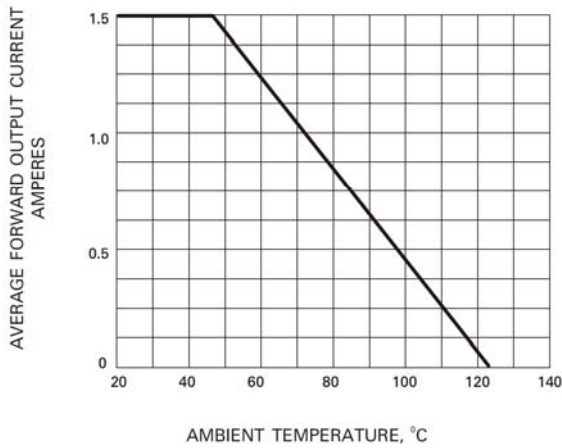


FIG. 2 - TYPICAL FORWARD  
CHARACTERISTICS

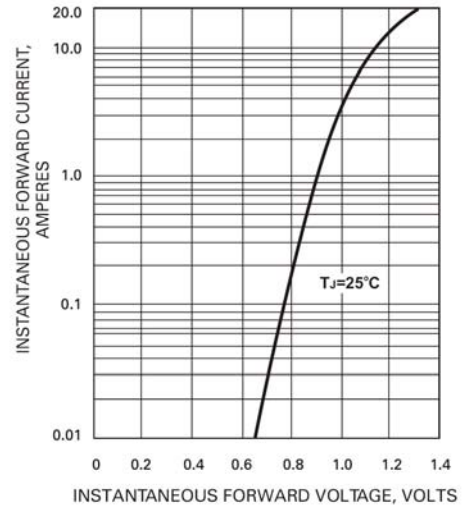


FIG. 3 - TYPICAL REVERSE  
CHARACTERISTICS

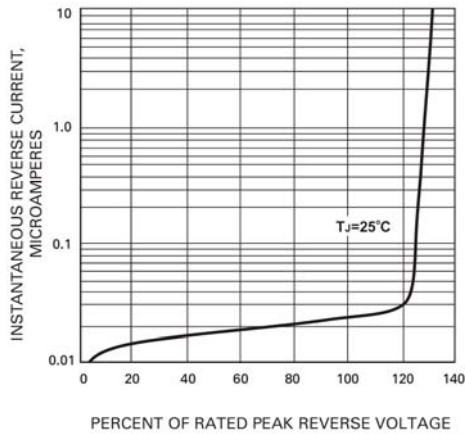


FIG. 4 - MAXIMUM FORWARD SURGE CURRENT

