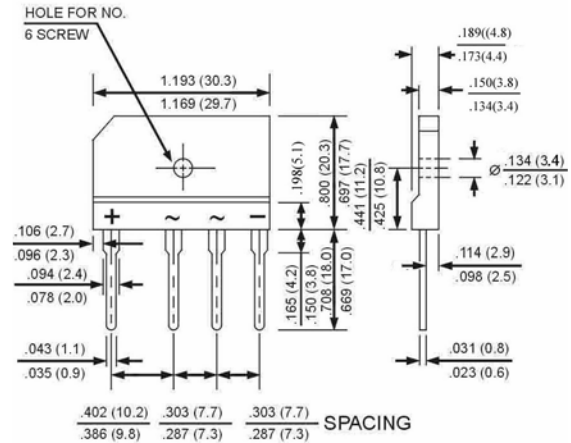


RoHS Compliant Product  
A suffix of "-C" specifies halogen-free.

## FEATURES

- \* Ideal for printed circuit board
- \* Surge overload rating - 60A peak
- \* The plastic material has UL flammability classification 94V-0
- \* Mounting position: Any



Dimensions in inches and (millimeters)

## 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, derate current by 20%.

TYPE NUMBER	SYMBOL	GBJ2005	GBJ201	GBJ202	GBJ204	GBJ206	GBJ208	GBJ210	UNITS
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS 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 @ $T_A=50^\circ\text{C}$	$I_{(AV)}$	2.0							A
Peak Forward Surge Current 8.3 ms single half sine-wave super imposed on rated load	$I_{FSM}$	60							A
Maximum Forward Voltage at 1.0A	$V_F$	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage	$I_R$	10							$\mu\text{A}$
Maximum Reverse Current at Rate DC Blocking Voltage per element @ $T_A=100^\circ\text{C}$	$I_R$	1.0							mA
Operating Temperature Range	$T_J$	- 55 ~ + 150							$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	- 55 ~ + 150							$^\circ\text{C}$

### Characteristics Curve

FIG. 1 - DERATING CURVE  
OUTPUT RECTIFIED CURRENT

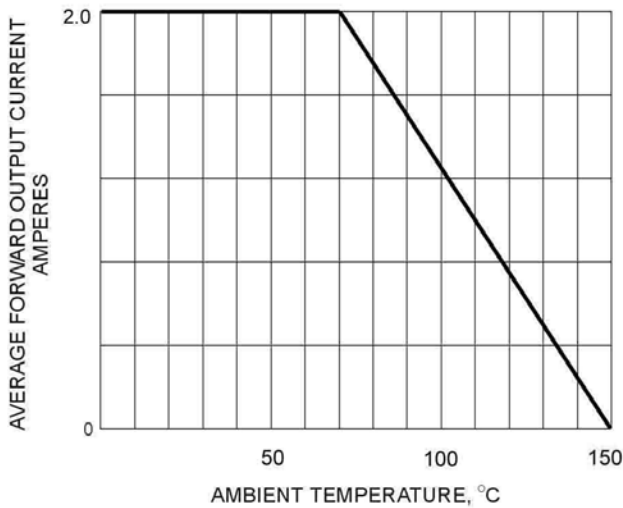


FIG. 2 - TYPICAL FORWARD  
CHARACTERISTICS

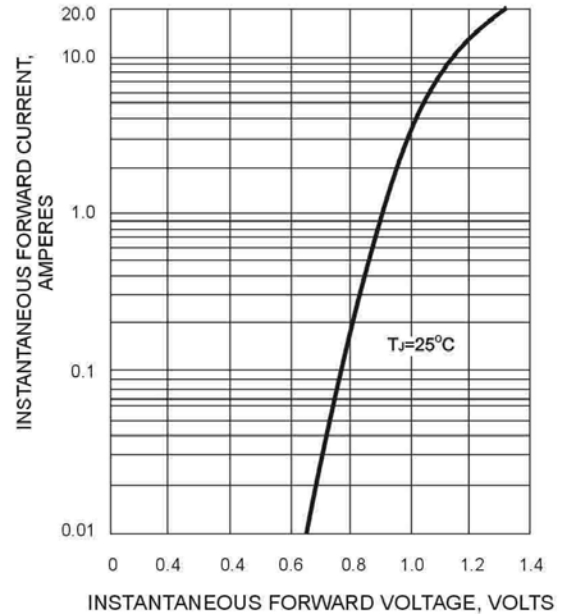


FIG. 3 - TYPICAL REVERSE  
CHARACTERISTICS

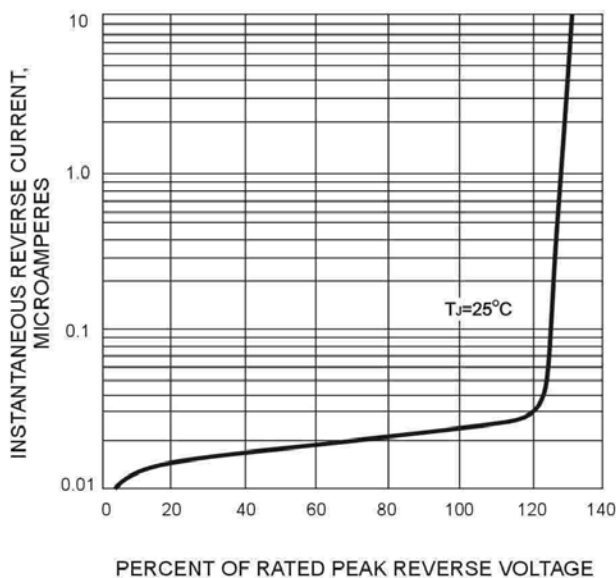


FIG. 4 - MAXIMUM FORWARD SURGE CURRENT

