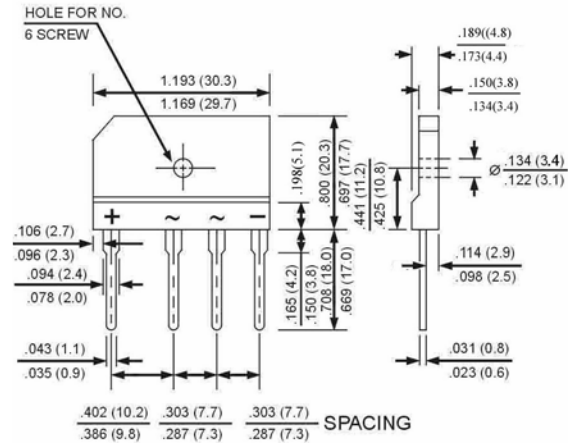


RoHS Compliant Product
A suffix of "-C" specifies halogen-free.

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							μA
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

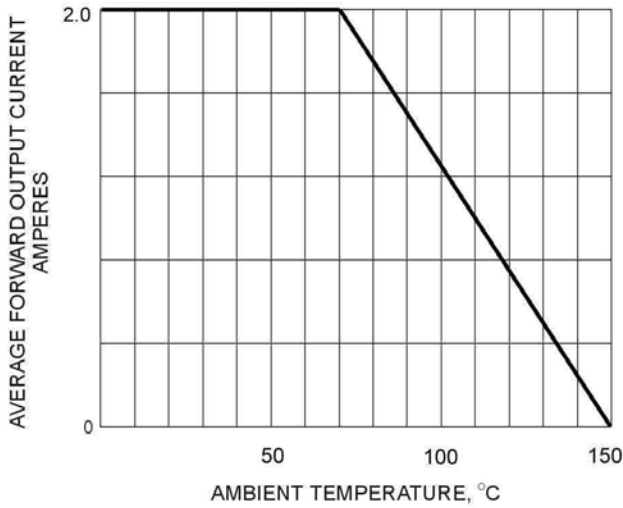


FIG. 2 - TYPICAL FORWARD
CHARACTERISTICS

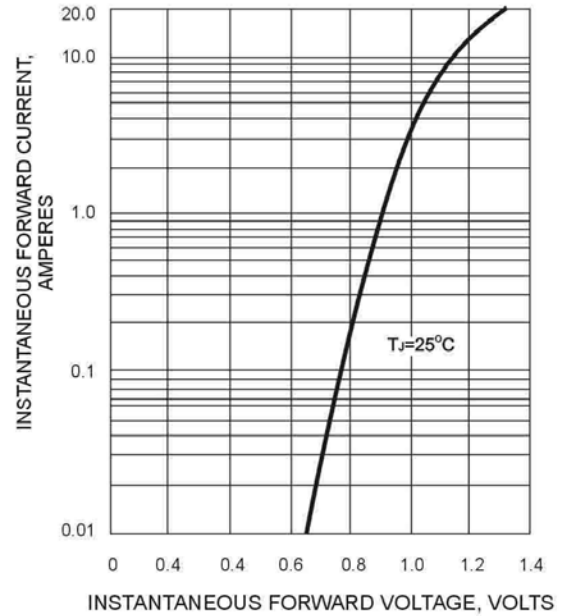


FIG. 3 - TYPICAL REVERSE
CHARACTERISTICS

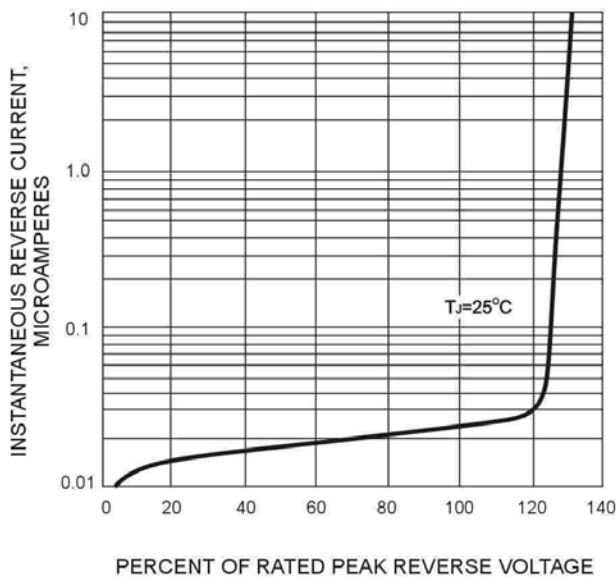


FIG. 4 - MAXIMUM FORWARD SURGE CURRENT

