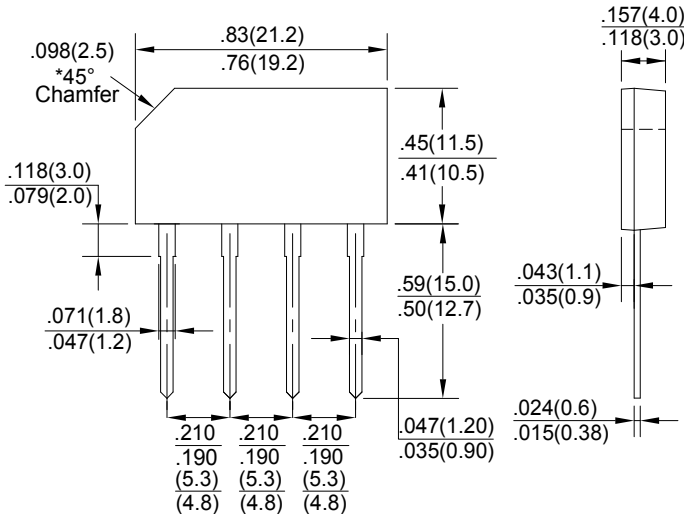


# 2GBJ005 thru 2GBJ10

## GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD Current - 2.0 Ampere

### 2GBJ



### FEATURES

- ▶ Surge overload rating -60amperes peak
- ▶ Ideal for printed circuit board

### MECHANICAL DATA

Terminal:Plated leads solderable per MIL-STD 202E,  
Method 208C

Case:UL-94 Class V-0 recognized Flame Retardant Epoxy

Polarity:Polarity symbol marked on body

Mounting position:any

Dimensions in inches and (millimeters)

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load,60HZ.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	2GBJ 005	2GBJ 01	2GBJ 02	2GBJ 04	2GBJ 06	2GBJ 08	2GBJ 10	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ T <sub>A</sub> =50°C	I <sub>(AV)</sub>	2.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I <sub>FSM</sub>	60							A
Maximum Forward Voltage Drop Per Bridge Element at 2.0A Peak	V <sub>F</sub>	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I <sub>R</sub>	10.0							μA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ T <sub>J</sub> =100°C	I <sub>R</sub>	1.0							mA
Operating Temperature Range	T <sub>J</sub>	-55 to +150							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C

# RATINGS AND CHARACTERISTIC CURVES GBJ2005 THRU GBJ210

FIG.1- DERATING CURVE  
OUTPUT RECTIFIED CURRENT

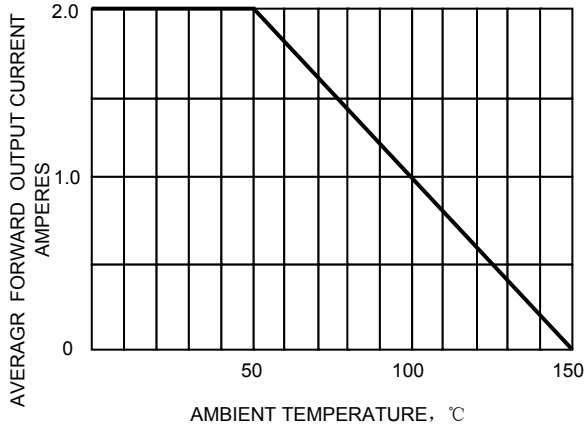


FIG.2-TYPICAL FORWARD  
CHARACTERISTICS

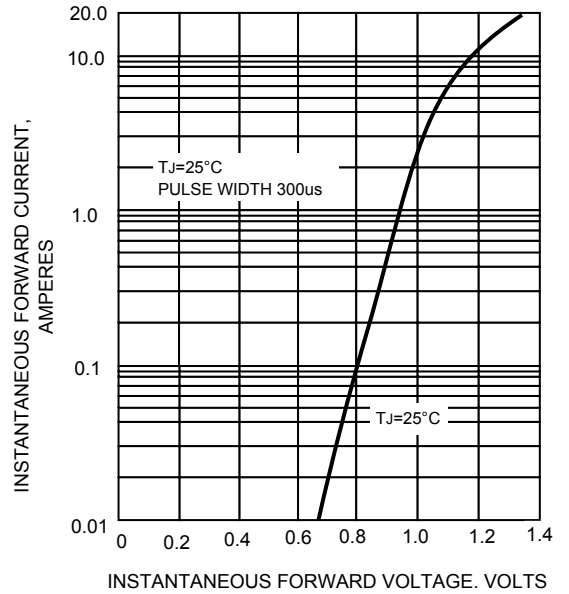


FIG.3-TYPICAL REVERSE  
CHARACTERISTICS

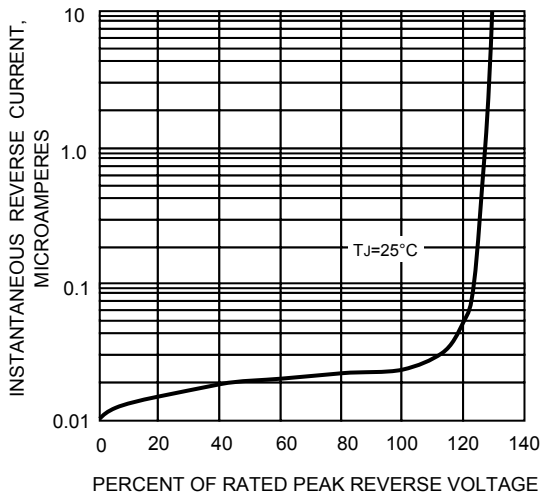


FIG.4-MAXIMUM FORWARD SURGE CURRENT

