

GLASS PASSIVATED BRIDGE RECTIFIERS

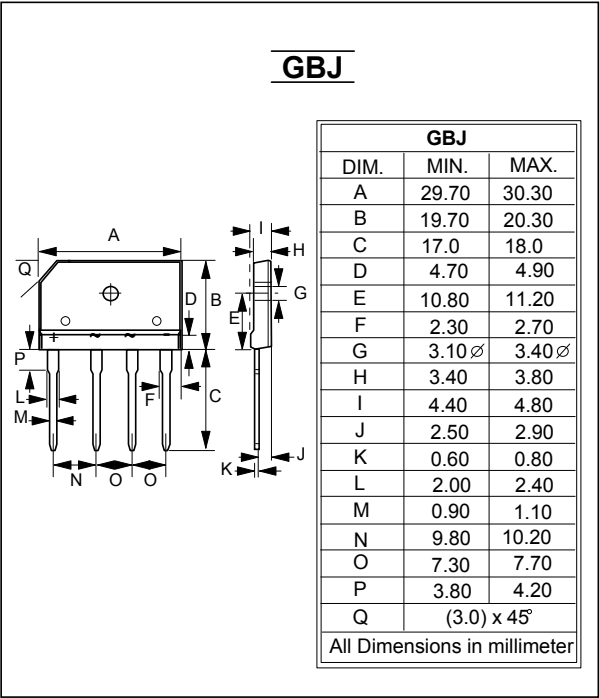
REVERSE VOLTAGE - **400 to 1000** Volts
FORWARD CURRENT - **8.0** Amperes

FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0
- UL Recognition File # E95060

MECHANICAL DATA

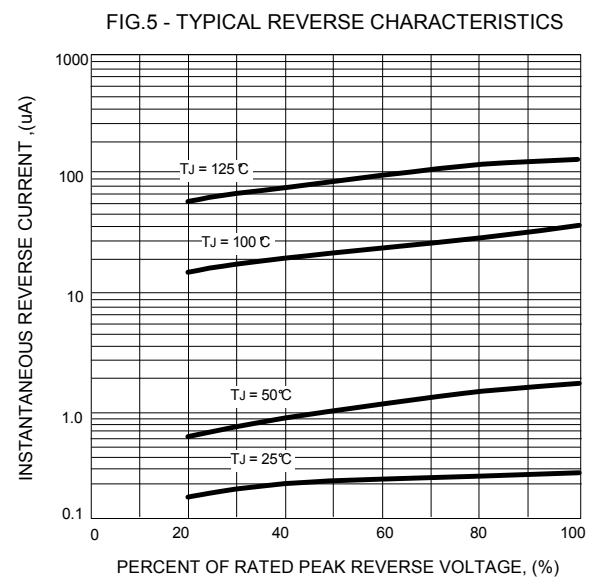
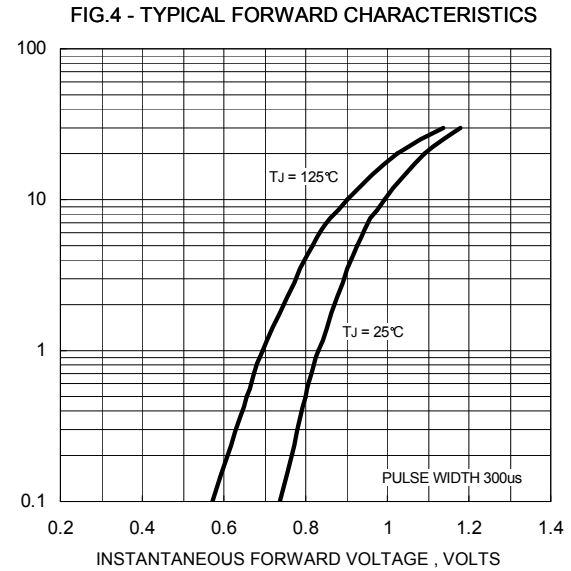
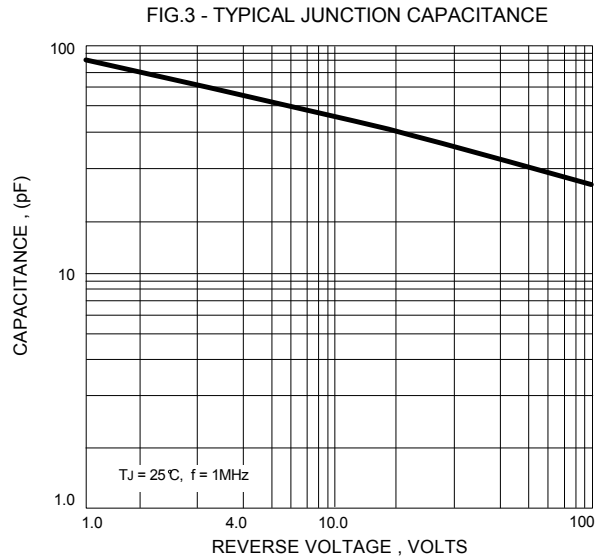
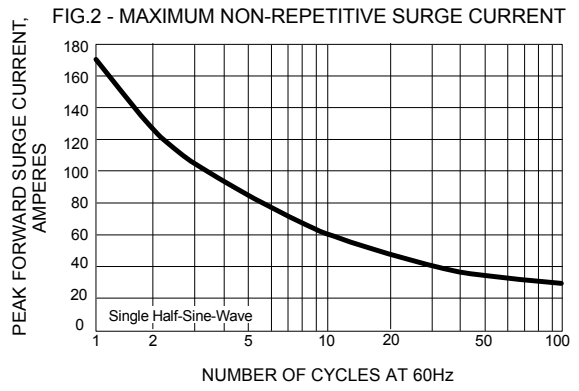
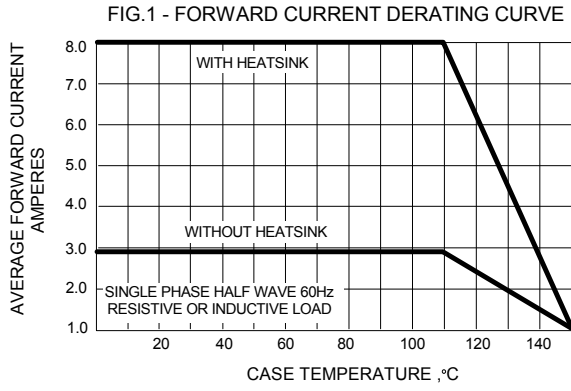
- Polarity : Symbols molded on body
- Weight : 0.23 ounces, 6.6 grams
- Mounting position : Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS
Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	GBJ 804	GBJ 806	GBJ 808	GBJ 810	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @T _c =110°C (without heatsink)	I _(AV)	8.0 2.9				A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	170				A
Maximum forward Voltage at 4.0A DC	V _F	1.0				V
Maximum DC Reverse Current @T _J =25°C at Rated DC Blocking Voltage @T _J =125°C	I _R	5.0 500				uA
I ² t Rating for fusing (t < 8.3ms)	I ² t	120				A ² S
Typical Junction Capacitance per element (Note 1)	C _J	55				pF
Typical Thermal Resistance (Note 2)	R _{θJC}	2.0				°C/W
Operating Temperature Range	T _J	-55 to +150				°C
Storage Temperature Range	T _{STG}	-55 to +150				°C

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
2.Device mounted on 100mm x 100mm x 1.6mm Cu Plate Heatsink.



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