

GBL404 thru GBL406

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 400 to 600 Volts FORWARD CURRENT - 4.0 Amperes

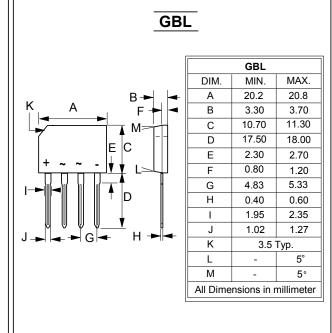
FEATURES

- Rating to 600V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has UL flammability classification 94V-0
- UL Recognition File # E95060

MECHANICAL DATA

Polarity: As marked on bodyWeight: 0.09 ounces, 2.52 grams

• Mounting position : Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

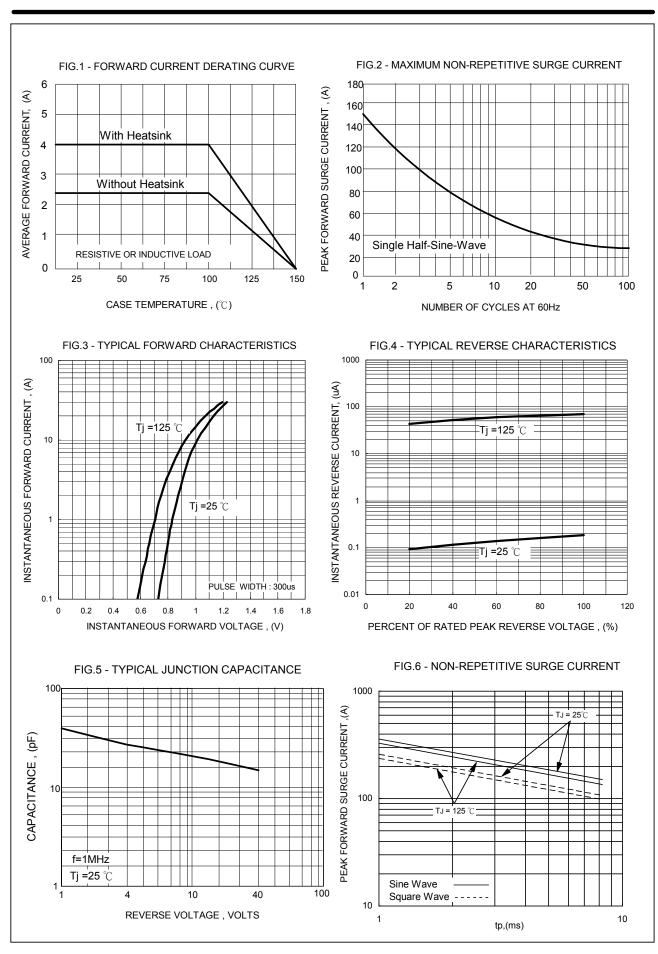
CHARACTERISTICS	SYMBOL	GBL404	GBL406	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	400	600	V
Maximum RMS Voltage	VRMS	280	420	V
Maximum DC Blocking Voltage	VDC	400	600	V
Maximum Average Forward with Heatsink Rectified Current @TC =100°C without	I(AV)	4.0 2.4		Α
Heak Poliward Surge Current @TJ = 25 °C 8.3ms single half sine-wave @TJ = 125 °C	IFSM	150 135		Α
Peak Forward Surge Current @TJ =25 ℃ 1.0ms single half sine-wave @TJ =125℃	IFSM	360 330		А
Maximum forward Voltage at 2.0A DC	VF	1		V
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =25 ℃ @TJ =125℃	lR	5 500		uA
$I^2 t \ \text{Rating for fusing (3ms} {\leq} t \leq 8.3 \text{ms)}$	I²t	93		A ² S
Typical Junction Capacitance per element (Note 1)	CJ	35		pF
Typical Thermal Resistance (Note 2)	Rejc Rejl Reja	4.2 4.0 10.0		°C/W
Operating Temperature Range	TJ	-55 to +150		$^{\circ}\mathbb{C}$
Storage Temperature Range	Тѕтс	-55 to +150		°C

NOTE : 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.

2.Unit Mounted on 50 x 50 x 1.6 mm Cu Plate Heatsink.

REV.12, Sep-2012, KBDQ03







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