

GBL404 thru GBL406

GLASS PASSIVATED BRIDGE RECTIFIERS

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

FEATURES

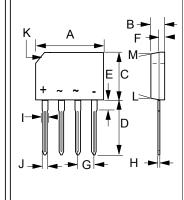
- Rating to 600V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has UL flammability classification 94V-0
- UL Recognition File # E95060

MECHANICAL DATA

• Polarity : As marked on body • Weight: 0.09 ounces, 2.52 grams

• Mounting position : Any

GBL



GBL					
DIM.	MIN.	MAX.			
Α	20.2	20.8			
В	3.30	3.70			
С	10.70	11.30			
D	17.50	18.00			
Е	2.30	2.70			
F	0.80	1.20			
G	4.83	5.33			
Н	0.40	0.60			
I	1.95	2.35			
J	1.02	1.27			
K	3.5 Typ.				
L	-	5°			
М	-	5°			
All Dimensions in millimeter					

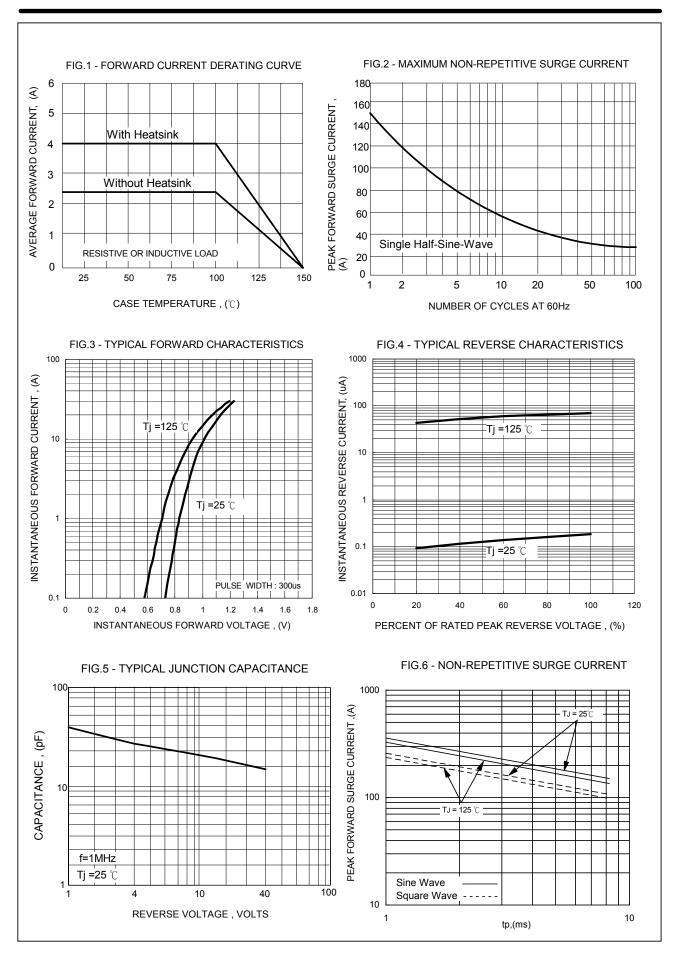
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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℃ without Heatsink	I(AV)	4.0 2.4		Α
Peak Forward Surge Current $\textcircled{QTJ} = 25 \ ^{\circ}\text{C}$ 8.3ms single half sine-wave $\textcircled{QTJ} = 125 \ ^{\circ}\text{C}$	IFSM	150 135		Α
Peak Forward Surge Current $\textcircled{QTJ} = 25 \ ^{\circ}\text{C}$ 1.0ms single half sine-wave $\textcircled{QTJ} = 125 \ ^{\circ}\text{C}$	IFSM	360 330		А
Maximum forward Voltage at 2.0A DC	VF	1		V
	lr	5 500		uA
I^2t Rating for fusing (3ms \leq t \leq 8.3ms)	l ² t	9	3	A ² S
Typical Junction Capacitance per element (Note 1)	Cı	3	5	pF
Typical Thermal Resistance (Note 2)	Rejc Rejl Reja	4	.0 0.0	°C/W
Operating Temperature Range	TJ	-55 to +150		$^{\circ}\mathbb{C}$
Storage Temperature Range	Тѕтс	-55 to +150		$^{\circ}\mathbb{C}$

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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