

GBU401 thru GBU410

REVERSE VOLTAGE - **100 to 1000** Volts
FORWARD CURRENT - **4.0** Amperes

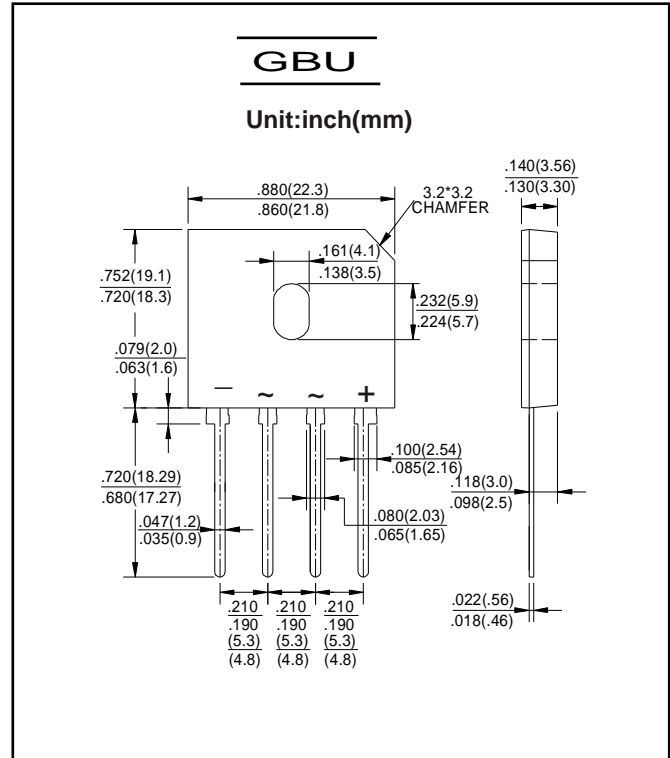
GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has UL flammability classification 94V-0

MECHANICAL DATA

- Polarity : As marked on Body
- Weight : 0.15 ounces, 4.0 grams
- Mounting position : Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

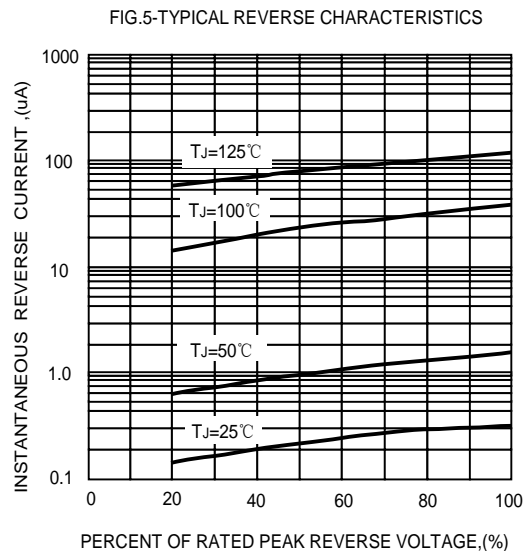
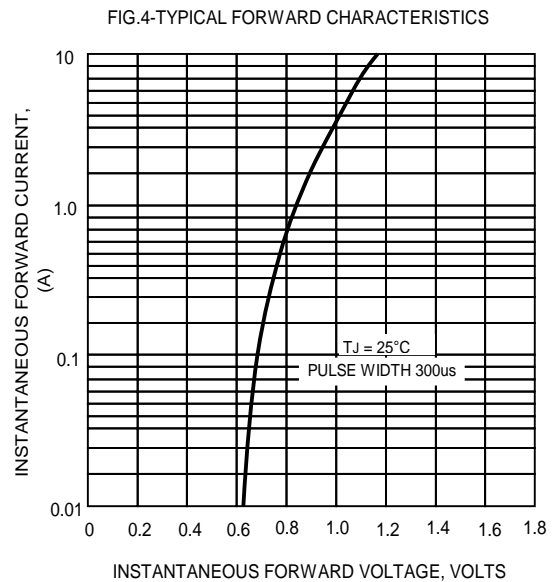
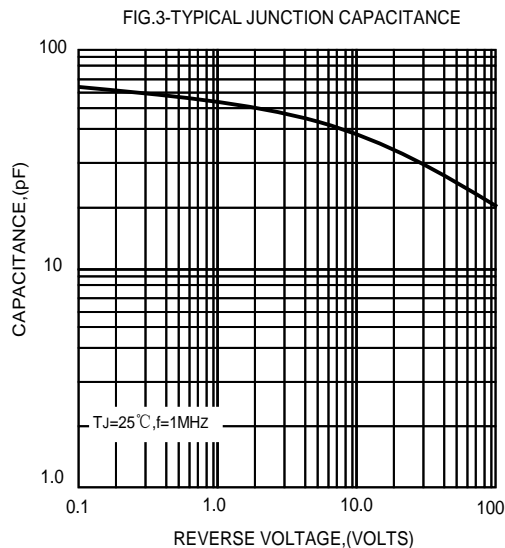
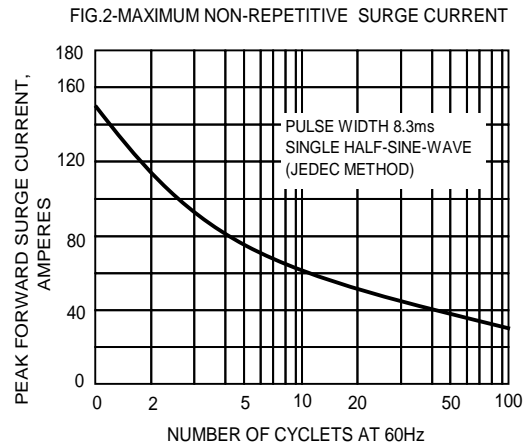
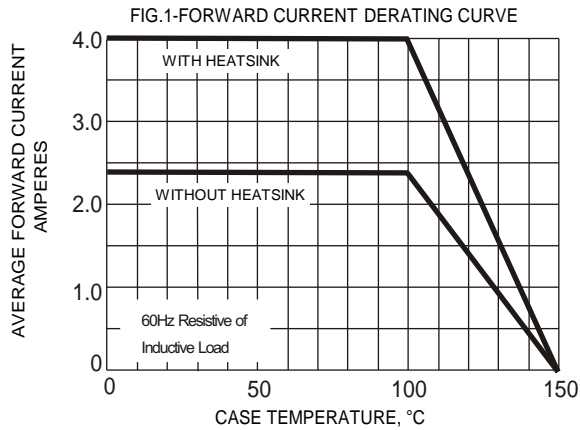
Ratings at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	GBU 401	GBU 402	GBU 404	GBU 406	GBU 408	GBU 410	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @Tc=100°C (with heatsink Note 2) Rectified Current @Tc=100°C (without heatsink)	I(AV)	4.0 2.4						A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	IFSM	150						A
Maximum forward Voltage at 2.0A DC	VF	1.0						V
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =25°C @TJ =125°C	IR	5.0 500						uA
I ² t Rating for fusing (t < 8.3ms)	I ² t	93						A ² S
Typical Junction Capacitance per element (Note 1)	CJ	40						pF
Typical Thermal Resistance (Note 2)	Rθ JC	3.0						°C/W
Operating Temperature Range	TJ	-55 to +150						°C
Storage Temperature Range	TSTG	-55 to +150						°C

NOTE : 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
2.Device mounted on 50mm x 50mm x 1.6mm Cu Plate Heatsink.

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Note: Specifications are subject to change without notice. For more detail and update, please visit our website.