

GBU1004 thru GBU1010

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 400 to 1000 Volts FORWARD CURRENT - 10 Amperes

FEATURES

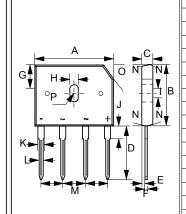
- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has UL flammability classification 94V-0
- UL Recognition File # E95060

MECHANICAL DATA

Polarity : As marked on BodyWeight : 0.15 ounces, 4.0 grams

• Mounting position : Any

GBU



GBU						
DIM.	MIN.	MAX.				
Α	21.80	22.30				
В	18.30	18.80				
С	3.30	3.56				
D	17.50	18.00				
E	0.76	1.00				
F	0.46	0.56				
G	7.40	7.90				
Н	3.50	4.10				
I	1.65	2.16				
J	2.25	2.75				
K	1.95	2.35				
L	1.02	1.27				
М	4.83	5.33				
N	7.0° TYPICAL					
0	3.2 x 45°					
Р	1.90 RADIUS					
All Dimensions in millimeter						

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

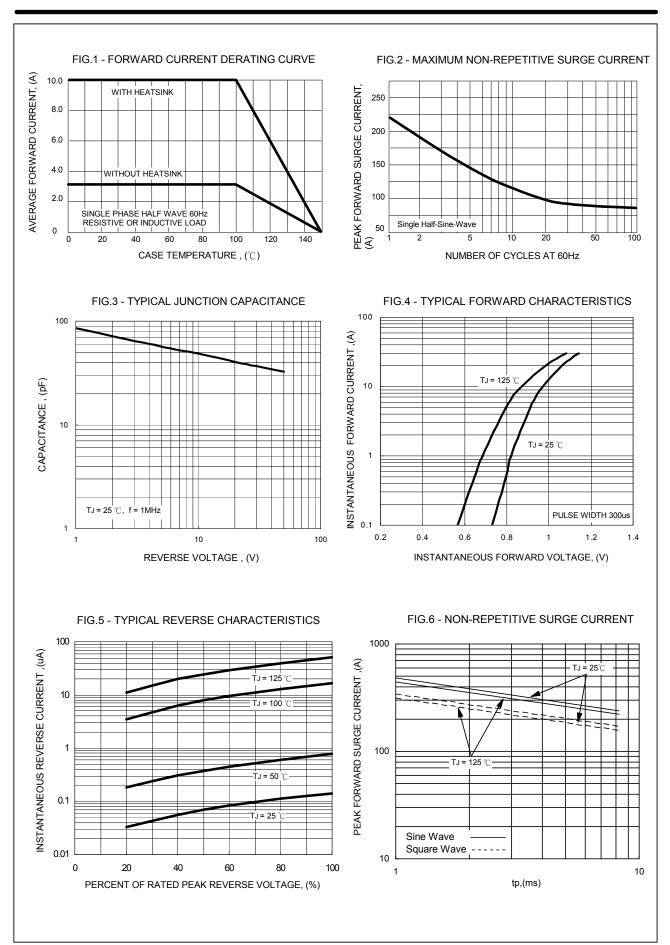
CHARACTERISTICS	SYMBOL	GBU 1004	GBU 1006	GBU 1008	GBU 1010	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	400	600	800	1000	V
Maximum DC Blocking Voltage		400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @Tc=100°C (without heatsink)			-	0 .2		А
Peak Forward Surge Current @TJ =25°C 8.3ms single half sine-wave @TJ =125°C	IFSM	240 220				А
Peak Forward Surge Current @TJ =25°C 1.0ms single half sine-wave @TJ =125°C	IFSM	480 440				А
Maximum forward Voltage at 5.0A DC Maximum forward Voltage at 10A DC	VF			.0 .2		V
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =125°C	lr	5.0 500				uA
I^2 t Rating for fusing (3ms $\leq t \leq$ 8.3m)	l ² t	200				A ² S
Typical Junction Capacitance per element (Note 1)	Cı		6	60		pF
Typical Thermal Resistance (Note 2)	Rejc		2	.0		°C/W
Mounting Torque (Recommended torque: 0.5 N.m)	TOR		0	.8		N.m
Operating Temperature Range	TJ	-55 to +150				°C
Storage Temperature Range	Tstg	-55 to +150			°C	

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

2.Device mounted on 150mm x 150mm x 1.6mm Cu Plate Heatsink.

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