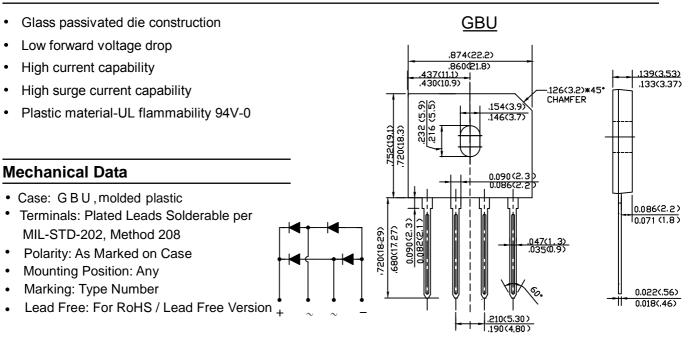


GBU6005 THRU GBU610

SINGLE PHASE 6.0 AMP GLASS PASSIVATED BRIDGE RECTIFIER

Features



dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

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

TYPE NUMBER	SYMBOL	GBU 6005	GBU 601	GBU 602	GBU 604	GBU 606	GBU 608	GBU 610	UNITS
Peak Repetitive Reverse Voltage	Vrrm								
Working Peak Reverse Voltage	Vrwm	50	100	200	400	600	800	1000	V
DC Blocking Voltage	VDC	1							
RMS Reverse Voltage	Vrms	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)@Tc=90℃	lf(av)	6.0							А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	Ігѕм	120						A	
Forward Voltage per element @IF=3A @IF=6A	Vfm	1.0 1.1						V	
Peak Reverse Current @TA =25 ℃ At Rated DC Blocking Voltage @TA =125 ℃	lr	5.0 500							uA
I ² t Rating for fusing (t <8.3ms)	l ² t	59.7							A ² s
Typical Junction Capacitance per leg (Note 2)	CJ	65							pF
Typical Thermal Resistance per leg (Note 3)	Reja	31							°C/₩
	Rejl	7.6							
Operating and Storage Temperature Range	Tj,Tstg	-55to+150							°C

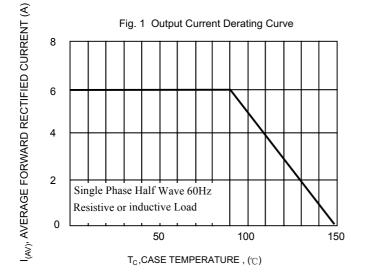
Note:1. Mounted on glass epoxy PC board with 1.3mm² solder pad.

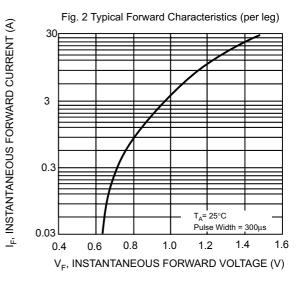
2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

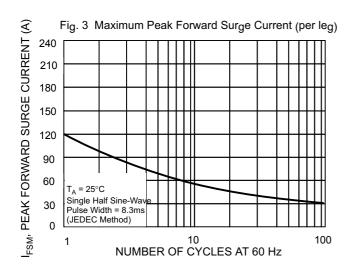
3. Device mounted on 50mm x 50mm x 1.6mm Cu Plate Heatsink.

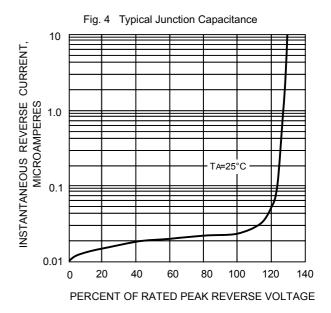


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