山东迪一电子科技有限公司



GBU4/GBU6/GBU8 SERIES





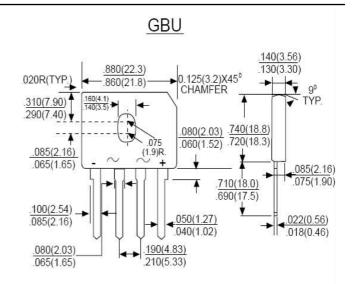
4.0/6.0/8.0A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Designed for Surface Mount Application
- Plastic Material UL Recognition Flammability Classification 94V-O

Mechanical Data

- Case: G B U, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Case
- Weight:8.0 grams (approx.)
- Mounting Position: Any
- Marking: Type Number
- Lead Free: For RoHS / Lead Free Version,



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	GBU 4005 6005 8005	GBU 401 601 801	GBU 402 602 802	GBU 404 604 804	GBU 406 606 806	GBU 408 608 808	GBU 410 610 810	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current @T _A = 40°C	lo	4.0/6.0/8.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	150/175/200							А
Forward Voltage per element @I _F = 1.0A	VFM	1.1							٧
	IRM	5.0 500							μΑ
Typical Junction Capacitance per element (Note 1)	Cj	100/211/211 45/94/94					pF		
Typical Thermal Resistance per leg (Note 2)	RθJA RθJL	20/17/21 4.0							°C/W
Operating and Storage Temperature Range	Тј, Тѕтс	-65 to +150							ů

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

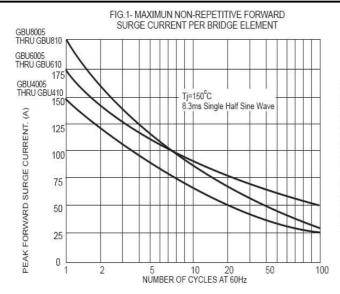
2. Mounted on PC board with 13mm² copper pad.

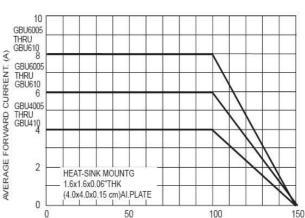
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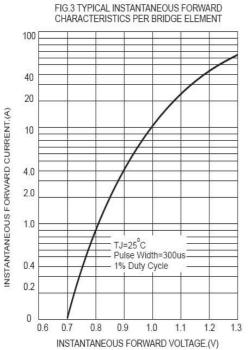






CASE TEMPERATURE. (°C)

FIG.2-MAXIMUN FORWARD CURRENT DERATING CURVE



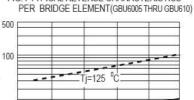


FIG.4-TYPICAL REVERSE CHARACTERISTICS

