

GBJ6005 THRU GBJ610

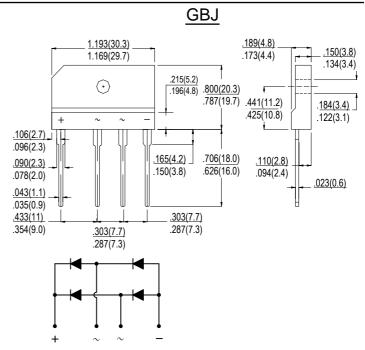
SINGLE PHASE 6.0 AMP GLASS PASSIVATED BRIDGE RECTIFIER

Features

- · Glass passivated die construction
- · Low forward voltage drop
- High current capability
- · High surge current capability
- Plastic material-UL flammability 94V-0

Mechanical Data

- · Case: Molded plastic, GBJ
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Case
- Mounting Position: Any
- · Marking: Type Number
- Lead Free: For RoHS / Lead Free Version



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%.

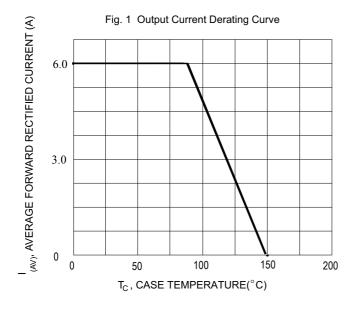
TYPE NUMBER	SYMBOL	GBJ 6005	GBJ 601	GBJ 602	GBJ 604	GBJ 606	GBJ 608	GBJ 610	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage	V _{RRM} V _{RWM}	50	100	200	400	600	800	1000	٧
DC Blocking Voltage	VDC								
RMS Reverse Voltage	VRMS	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)@T _c =90 ℃	IF(AV)	6.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	Ігѕм	150							А
I ² t Rating for Fusing (t < 8.3ms)	l²t	93.375							A ² s
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
Typical Junction Capacitance per leg	CJ	45							pF
Between junction and ambient, Without heatsink	RөJA	24							- °C/W
Between junction and case, With heatsink	Rejc	2.5							
Operating and Storage Temperature Range	Тл,Тѕтс	-55to+150							$^{\circ}$ C

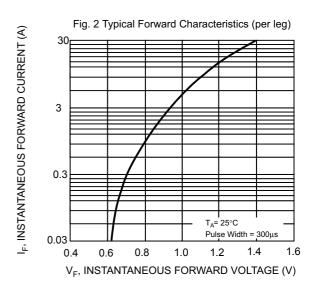
Note:1. Mounted on glass epoxy PC board with 1.3mm² solder pad.

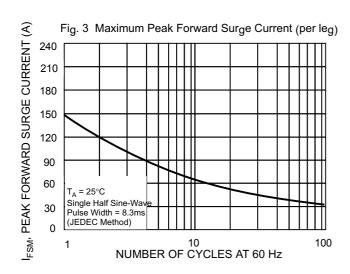
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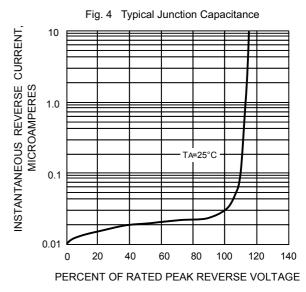


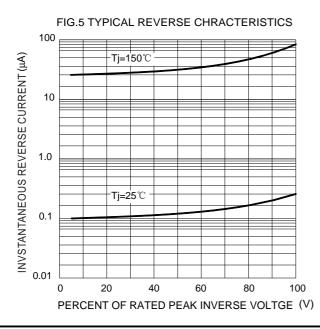
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