

GBJ15005(H) THRU GBJ1510(H)

SINGLE PHASE 15.0AMP 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

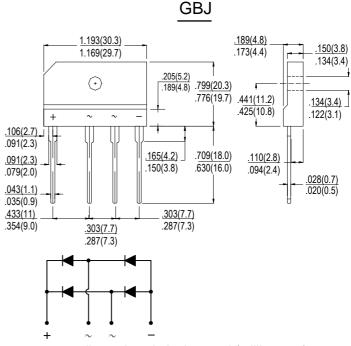
 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

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(NOTE 1)	SYMBOL	GBJ 15005(H)	GBJ 1501(H)	GBJ 1502(H)	GBJ 1504(H)	GBJ 1506(H)	GBJ 1508(H)	GBJ 1510(H)	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage	Vrrm Vrwm	50	100	200	400	600	800	1000	V
DC Blocking Voltage	VDC								
RMS Reverse Voltage	VRMS	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 2)@T _C =90 ℃	IF(AV)	15.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	Іғѕм	220							А
I ² t Rating for Fusing (t < 8.3ms)	l²t	200.86						A ² s	
Forward Voltage per element @IF=7.5A @IF=15A	VFM	1.0 1.1							V
Peak Reverse Current @TA =25 °C At Rated DC Blocking Voltage @TA =125 °C	lr	5.0 500							uA
Typical Junction Capacitance per leg	Сл	60							pF
Between junction and ambient, Without heatsink	RөJA		12						
Between junction and case, With heatsink	Rеjc		1.5						
Operating and Storage Temperature Range	Т _Ј ,Тѕтс	-55to+150							$^{\circ}$

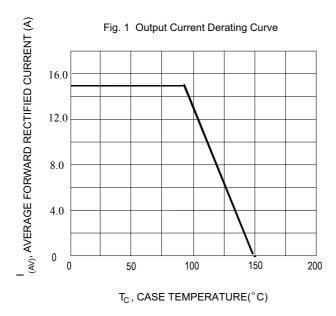
Note:1. "H": Halogen Free.

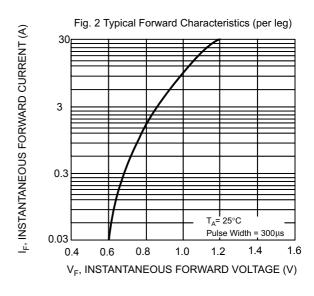
2. Unit case mounted on aluminum piate heatsink.

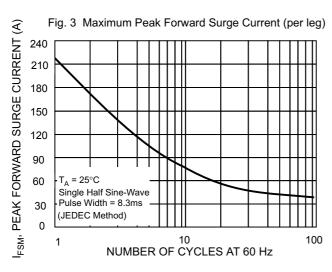
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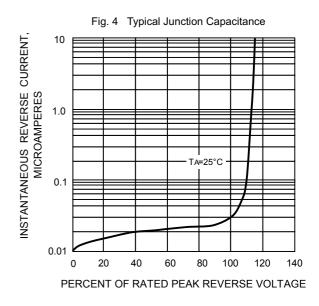


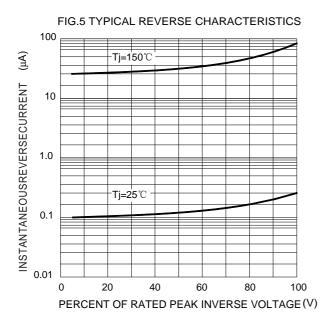
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