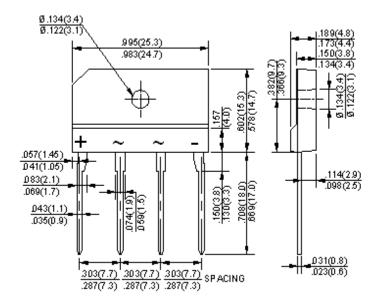


GBJ6005 thru GBJ610

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 6.0 Amperes



Dimensions in inches and (milimeters)

Package: 4GBJ

FEATURES

- ●Rating to 1000V PRV
- Ideal for printed circuit board
- ●Low forward voltage drop,high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has U/L flammability classification 94V-0
- ●Weight: 0.151ounces, 4.27grams

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%

CHARACTERISTICS	SYMBOL	GBJ 6005	GBJ 601	GBJ 602	GBJ 604	GBJ 606	GBJ 608	GBJ 610	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100°C (without heatsink)	I(AV)	6.0 2.8							А
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	175							А
Maximum Forward Voltage at 3.0A DC	VF	1.1							V
Maximum DC Reverse Current @ TJ=25℃ at Rated DC Blocking Voltage @ TJ=125℃	IR	10.0 500							uA
I ² t Rating for Fusing (t<8.3ms)	I ² t	120							A ² s
Typical Junction Capacitance Per Element (Note1)	CJ	55							pF
Typical Thermal Resistance (Note2)	Rejc	1.8							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}\mathbb{C}$
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}$ C

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

2.Device mounted on 75mm*75mm*1.6mm cu plate heatsink.

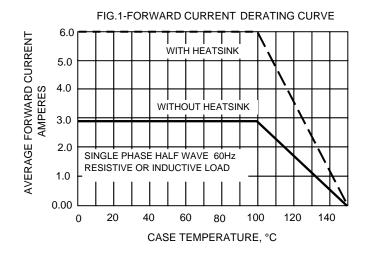
www.gaiatech.co.kr Gaiatech co., ltd.

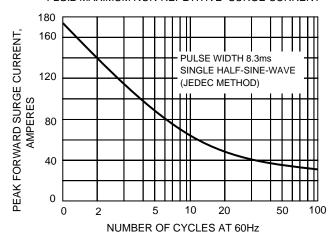


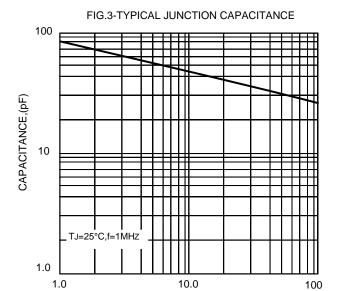
GBJ6005 thru GBJ610

GLASS PASSIVATED BRIDGE RECTIFIERS RATING AND CHARACTERTIC CURVES

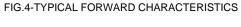
FLG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

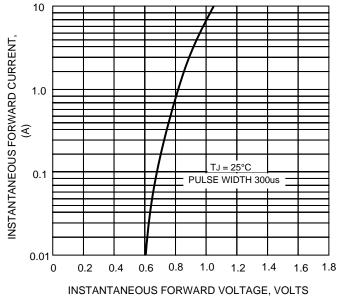




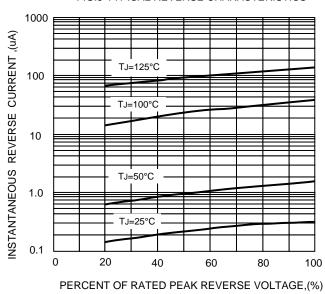


REVERSE VOLTAGE, (VOLTS)









www.gaiatech.co.kr Gaiatech co., ltd.