















ESD

TVS

MOS

LDO

Diode

Sensor

DC-DC

Product Specification

Domestic Part Number	GBJ15005 - GBJ1510
▶ Overseas Part Number	GBJ15005 - GBJ1510
▶ Equivalent Part Number	GBJ15005 - GBJ1510





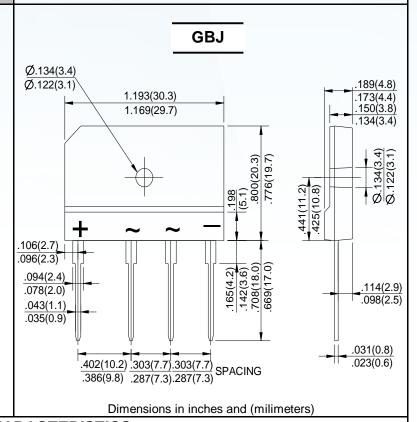
GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE FORWARD CURRENT

- 50 to 1000 Volts
- 15 Amperes

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 UL flammability classification 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

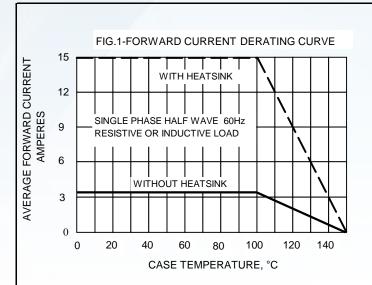
For capacitive load, derate current by 20%

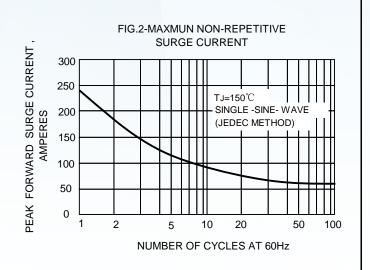
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CHARACTERISTICS	SYMBOL	GBJ 15005	GBJ 1501	GBJ 1502	GBJ 1504	GBJ 1506	GBJ 1508	GBJ 1510	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	30	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100°C (without heatsink)	I(AV)	15.0 3.2							А
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSМ	240							А
Maximum Forward Voltage at 7.5A DC	VF	1.1							V
Maximum DC Reverse Current @ TJ=25℃ at Rated DC Blocking Voltage @ TJ=125℃	lR	10.0 500							uA
I ² t Rating for Fusing (t<8.3ms)	l ² t	240							A ² s
Typical Junction Capacitance Per Element (Note1)	Сл	60							pF
Typical Thermal Resistance (Note2)	Rejc	0.8							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}$
Storage Temperature Range	Тѕтс	-55 to +150							$^{\circ}$
		•						•	•

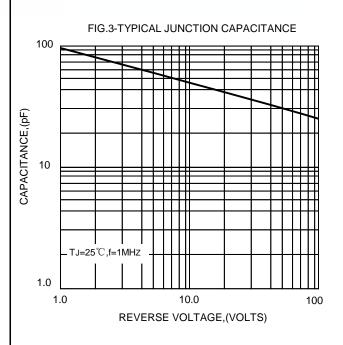
NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

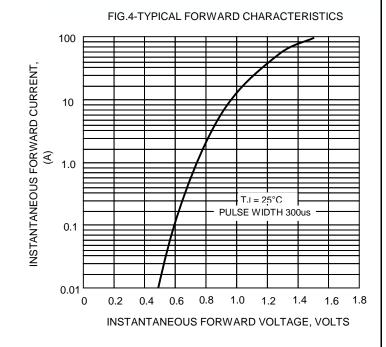
2.Device mounted on 300mm*300mm*1.6mm cu plate heatsink.

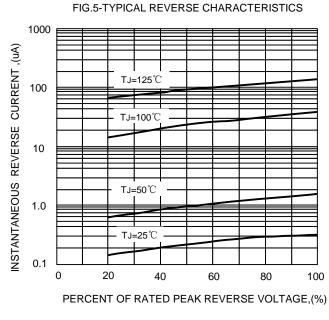














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