

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

GBJ6A THRU GBJ6M

TECHNICAL SPECIFICATIONS OF GLASS PASSIVATED BRIDGE RECTIFIER VOLTAGE RANGE - 50 to 1000 Volts CURRENT - 6.0 Amperes

FEATURES

- * Ideal for printed circuit boardd
- * High surge current capability
- * Low forward voltage drop
- * Glass passivated junction

MECHANICAL DATA

* Case: Molded plastic

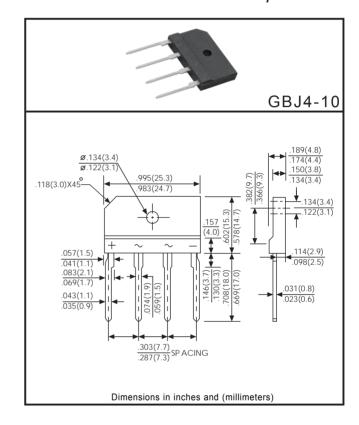
* Epoxy: UL 94-V0 rate flame retardant
* Terminals: Solder plated solderable per

MIL-STD-750, Method 2026

* Polarity: As marked* Mounting position: Any* Weight: 4.6 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

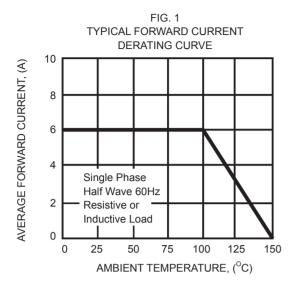


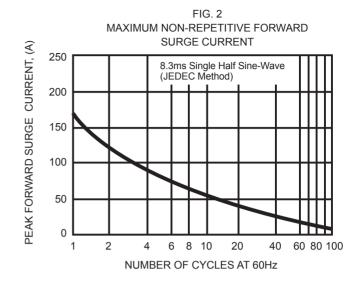
	SYMBOL	GBJ6A	GBJ6B	GBJ6D	GBJ6G	GBJ6J	GBJ6K	GBJ6M	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at Ta = 100°C	lo	6.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	170				Amps			
Maximum Instantaneous Forward Voltage at 3.0A DC	VF	1.1				Volts			
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ = 25°C @TJ = 125°C	─ IR	10 100						μAmps	
I ² t Rating for Fusing (t<8.3mS)	l ² t	120					A ² s		
Operating and Storage Temperature Range	TJ,TSTG	-55 to +150					°C		

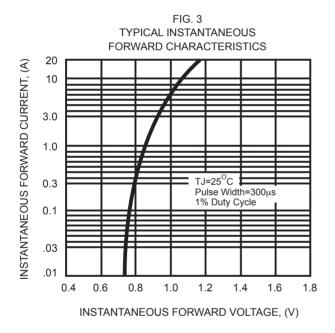
NOTES: 1. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

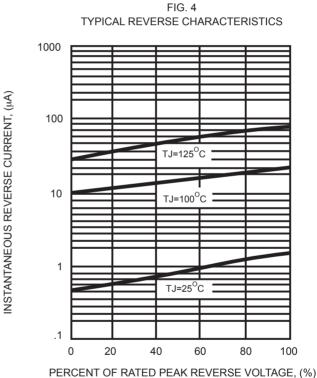
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RATING AND CHARACTERISTIC CURVES (GBJ6A THRU GBJ6M)









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