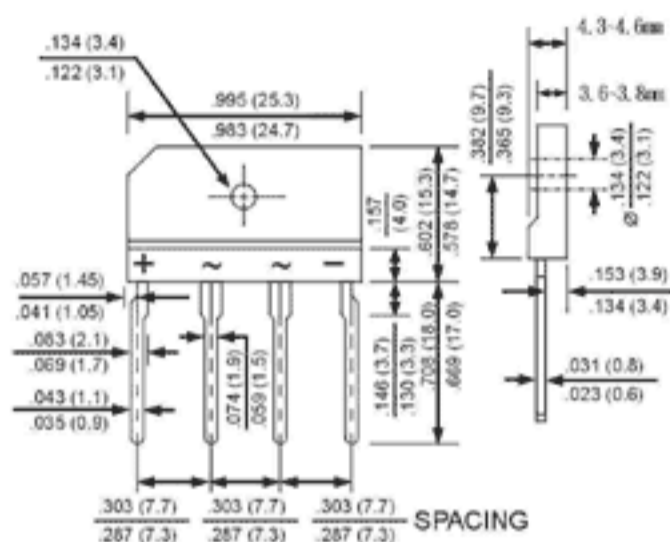


GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 4.0 Amperes

FEATURES

- Surge overload rating - 125 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting Position: Any



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 4A	GBJ 4B	GBJ 4D	GBJ 4G	GBJ 4J	GBJ 4K	GBJ 4M	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @T _c =100°C (without heatsink)	I _{AV}					4.0			A
						2.4			
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	I _{FSM}					125			A
Maximum Forward Voltage at 2.0A DC	V _F					1.1			V
Maximum DC Reverse Current @T _J = 25 °C at Rated DC Blocking Voltage @T _J =125°C	I _R					5.0			uA
						500			
I ² t Rating for fusing (t<8.3ms)	I ² t					93			A ² S
Typical Junction Capacitance per element (Note 1)	C _J					45			pF
Typical Thermal Resistance (Note 2)	R _{θJC}					2.2			°C/W
Operating Temperature Range	T _J					-55 to +150			°C
Storage Temperature Range	T _{STG}					-55 to +150			°C

NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
2. Device mounted on 50mm x 50mm x 1.6mm Cu Plate Heatsink.