

GBJ/KBJ4005 THRU GBJ/KBJ410

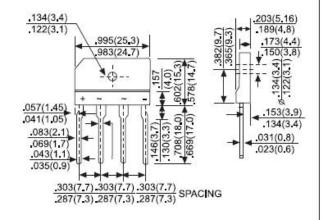
SINGLE PHASE 4.0AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS

Voltage Range 50 to 1000 Volts Current 4.0 Amperes

FEATURES

- UL Recognized File # 230084
- Surge overload rating 50 amperes peak
- · Ideal for printed circuit board
- Plastic material has Underwriters Laboratory
 Flammability Classification 94V-0
- Mounting Position: Any

GBJ4



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified. Single phase,half wave,50Hz,resistive or inductive load. For capacitive load, derate current by 20%

Type Number		GBJ KBJ 4005	GBJ KBJ 401	GBJ KBJ 402	GBJ KBJ 404	GBJ KBJ 406	GBJ KBJ 408	GBJ KBJ 410	UNITS
Maximum Repetitive 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	٧
Maximum Average Forward (with heatsink Note 2) Rectified Current@Tc = 100 C (without heatsink)	lF(AV)	4.0 2.4							А
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	IFSM	120							А
Maximum Instantaneous Forward Voltage Drop Per leg @4.0A	VF	1,1							٧
Maximun DC Reverse Current at Rated DC Blocking Voltage TJ = 25°C TJ = 125°C	lR	5.0 500							uA
12t Rating for fusing (t<8,3ms)	l²t	93							A ² S
Typical Junction Capacitance per Leg (Note 1)	Cl	45							pF
Typical Thermal Resistance (Note 2)	Reac	2.2							°C/W
Operating Temperature Range	TJ	-55 to+150							°C
Storage Temperature Range	Tstg	-55 to+150							°C

NOTES: 1, Measured at 1,0MHz and applied reverse voltage of 4,0 V DC,

2. Device mounted on 50mm x 50mm x 1.6mm Cu Plate Heatsink.

RATING AND CHARACTERISTIC CURVES GBJ/KBJ4005 thru GBJ/KBJ410



