

GBJ25005 thru GBJ2510

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 25 Amperes

Ø.134(3.4) Ø.122(3.1) 189(4.8) 1.193(30.3) 173(4.4) 1.169(29.7) 150(3.8) 134(3.4) .118(3.0)*45° 800(20. 776(19. .441(11.2) ØØ .106(2.7) .096(2.3) .094(2.4) .114(2.9) .078(2.0) .043(1.1) .035(0.9) .031(0.8)

Dimensions in inches and (milimeters)

SPACING

.402(10.2) .303(7.7).303(7.7)

.386(9.8) .287(7.3).287(7.3)

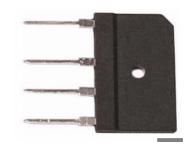
Package: GBJ

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
- •Weight: 0.24 ounces, 6.79grams

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 25005	GBJ 2501	GBJ 2502	GBJ 2504	GBJ 2506	GBJ 2508	GBJ 2510	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℃ (without heatsink)	l(AV)	25.0 4.2							Α
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	350							Α
Maximum Forward Voltage at 12.5A DC	VF	1.1							٧
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)	I²t	510							A²s
Typical Junction Capacitance Per Element (Note1)	Cı	85							pF
Typical Thermal Resistance (Note2)	Rejc	0.6							°C/W
Operating Temperature Range	TJ	-55 to +150							℃
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}$

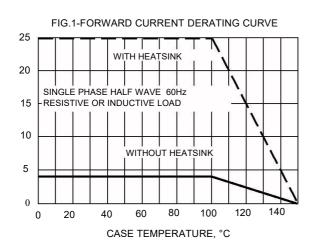
.023(0.6)

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.



GLASS PASSIVATED BRIDGE RECTIFIERS RATING AND CHARACTERTIC CURVES



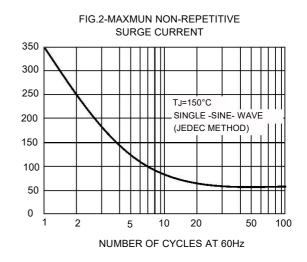


FIG.3-TYPICAL JUNCTION CAPACITANCE

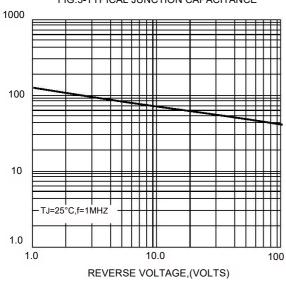


FIG.4-TYPICAL FORWARD CHARACTERISTICS

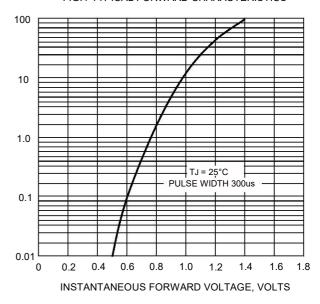
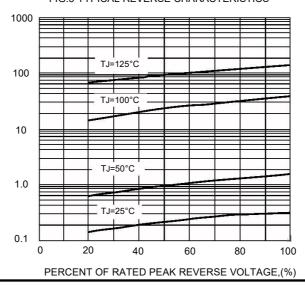


FIG.5-TYPICAL REVERSE CHARACTERISTICS



单击下面可查看定价,库存,交付和生命周期等信息

>>COMON(阔迈)