GBL005 THRU GBL10

SINGLE PHASE GLASS

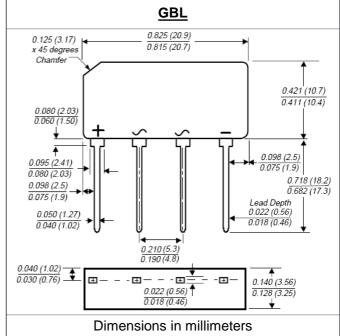
Voltage: 50 to 1000V

PASSIVATED BRIDGE RECTIFIER

Current:4.0A



Features
Glass passivated chip junction High case dielectric strength High surge current capability Ideal for printed circuit board
Mechanical Data
Terminal: Plated leads solderable per MIL-STD 202E, Method 208C Case: UL-94 Class V-0 recognized Flame Retardant Epoxy Polarity: Polarity symbol marked on body Mounting position: any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated,

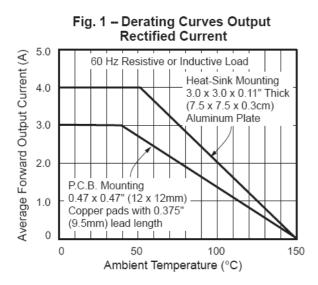
for	capacitive	load,	derate	current	by 20%)
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	Symbol	GBL0 05	GBL0 1	GBL0 2	GBL0 4	GBL0 6	GBL0 8	GBL1 0	unit
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum average forward $Tc = 50^{\circ}C$ (Note1)rectified output current $Ta = 40^{\circ}C$ (Note2)	lf(av)	4.0 3.0					A		
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	lfsm	150					A		
Maximum instantaneous forward voltage drop per leg at 4.0A	Vf	1.0					V		
Rating for fusing (t < 8.3ms)	l ² t	93				A ² S			
Maximum DC reverse current at rated DC blocking voltage per legTa = 25 °C Ta = 125 °C	Ir	5.0 500						μΑ	
Maximum thermal resistance per leg	Rth(ja) Rth(jc)	22 3.5				°C/			
Typical junction capacitance per leg at 4.0V,1MHz	Cj	95 40				pF			
Operating junction and storage temperature range		-55 to +150						°C	

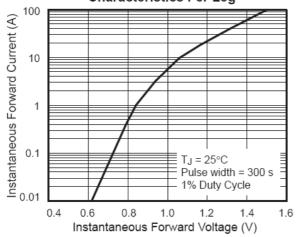
1. Unit mounted on P.C.B. with 3.0 x 3.0 x 0.11" thick (7.5 x 7.5 x 0.3 cm) Aluminum plate

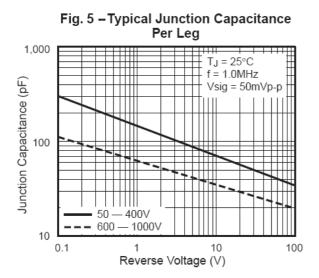
2. Unit mounted on P.C.B. at 0.375" (9.5mm) lead length and 0.5 x 0.5"(12 x 12mm) copper pads

RATINGS AND CHARACTERISTIC CURVES GBL005 THRU GBL10









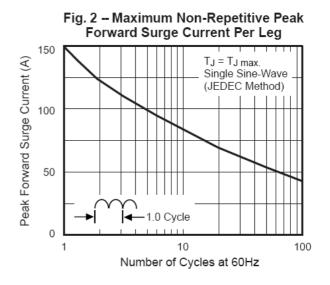
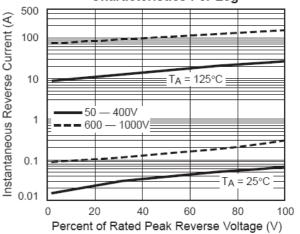
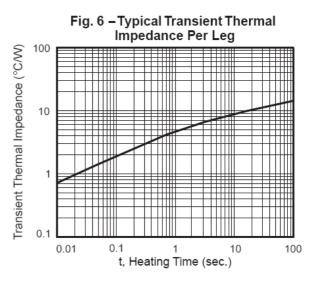


Fig. 4 – Typical Reverse Leakage Characteristics Per Leg





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