

GBL4005 THRU GBL410

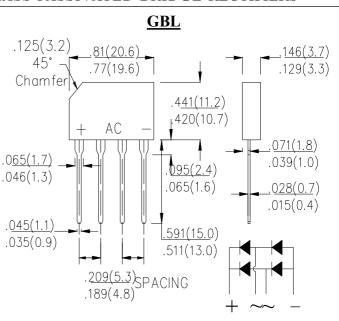
PINGWEIENTERPRISE SINGLE PHASE4.0AMPS.GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURE

- . Ideal for printed circuit board
- . Glass passivated chip junctions
- . High case dielectric strength
- . Low leakage
- . Low forward voltage
- . High surge current capability
- . High temperature soldering guaranteed:
- 260°C/10seconds/.375",(9.5mm) lead lengths.

MECHANICAL DATA

- . Case: Molded plastic body
- . Epoxy: UL 94V-0 rate flame retardant
- . Terminals: Pure tin plated, Lead free. Leads solderable
- per MIL-STD-750, Method 2026.
- . Polarity: Symbols molded or marked on body
- . Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

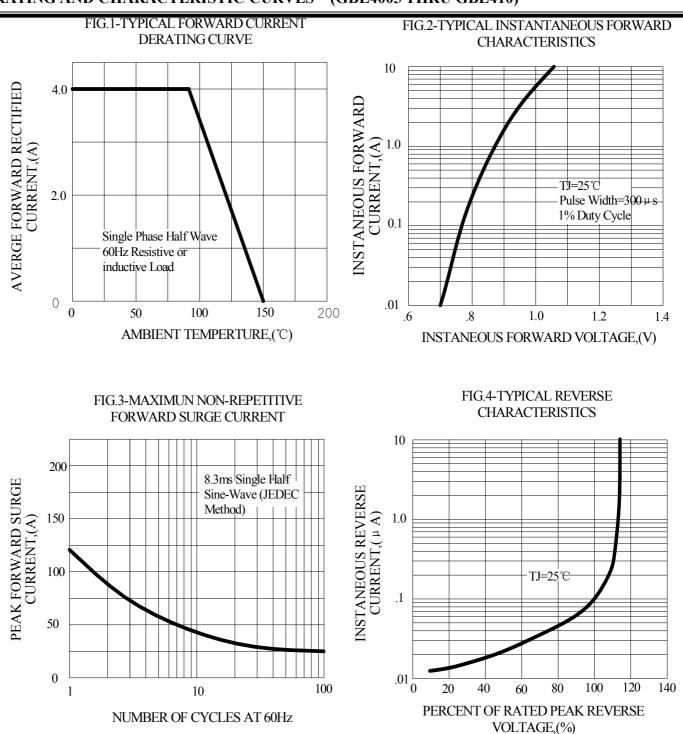
Ratings at 25° C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	SYM BOL	GBL 4005	GBL 401	GBL 402	GBL 404	GBL 406	GBL 408	GBL 410	units
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	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward rectified Output Current at T _A =90°C	I _{F(AV)}	4.0							Α
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}	FSM 120							
Maximum Forward Voltage Drop per element at 4.0A DC	V _F	1.1							v
Maximum DC Reverse Current $@T_A = 25^{\circ}C$ at rated DC blocking voltage $@T_A = 125^{\circ}C$	$I_{ m R}$	10.0 500.0							μΑ
I ² t Rating for Fusing (t < 8.3ms)	I ² t 59								A ² Sec
Typical Junction Capacitance (Note 1)	CJ	40							pF
Typical Thermal Resistance (Note 2)	R (JC)	2.2							°C/W
Storage Temperature	T STG	-55 to +150							°C
Operating Junction Temperature	TJ	-55 to +150							°C

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc

2. Thermal Resistance from Junction to Case Mounted on P.C.B with 0.47×0.47"(12×12mm) Copper Pads.



RATING AND CHARACTERISTIC CURVES (GBL4005 THRU GBL410)