.024(0.60)









Features

- ♦ UL Recognized File # E-326243
- ♦ Glass passivated junction
- ♦ Ideal for printed circuit board
- ♦ High case dielectric strength
- Plastic material ha Underwriters Laboratory Flammability Classification 94V-0
- High surge current capability
- ♦ High temperature soldering guaranteed: 260°C/ 10 seconds at 5lbs., (2.3kg) tension
- Green compound with suffix "G" on packing code & prefix "G" on datecode

Mechanical Data

- Case: Molded plastic body
- Terminals: Pure tin plated, lead free, solderable per MIL-STD-202, Method 208
- ♦ Weight: 2.0 grams
- Mounting position: Any

ratory $\begin{array}{c} .146(3.70) \\ .799(20.3) \\ .776(19.7) \\ \hline \\ .445(11.3) \\ .4421(10.7) \\ \hline \\ .067(1.70) \\ .051(1.30) \\ .043(1.10) \\ .035(0.90) \\ \hline \end{array}$

Single Phase 4.0AMPS. Glass Passivated Bridge Rectifiers

GBL

Dimensions in inches and (millimeters)

GBLXX S GYWW

2

(3)

205(5.20) .205(5.20) .205(5.20) 189(4.80) .189(4.80) .189(4.80)

4

(1)

Marking Diagram

GBLXX = Specific Device Code G = Green Compound

2 3

Y = Year WW = Work Week

1

Maximum Ratings and Electrical Characteristics

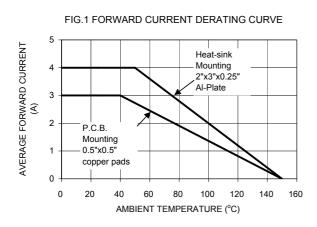
Rating at 25 $^{\circ}$ C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

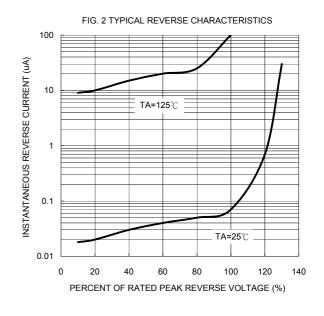
Type Number	Symbol	GBL 005	GBL 01	GBL 02	GBL 04	GBL 06	GBL 08	GBL 10	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current $ @T_{\rm C} = 50^{\circ}{\rm C} $ $ @T_{\rm A} = 40^{\circ}{\rm C} $	I _{F(AV)}			•	4				А
Peak Forward Surge Current, 8.3 ms Single Half Sinewave Superimposed on Rated Load (JEDEC method)	15014				150				Α
Rating for fusing (t<8.3ms)	I ² T				93				A ² S
Maximum Instantaneous Forward Voltage (Note 1) @ 2 A @ 4 A	V _F				1.0 1.1				V
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	I _R	5 500						uA	
Typical Junction Capabitance	Cj		95 40					pF	
Typical Thermal Resistance	$\begin{array}{c} R_{\theta jA} \\ R_{\theta jL} \\ R_{\theta jC} \end{array}$	32 13 8						°C/W	
Operating Temperature Range	TJ	- 55 to + 150						οС	
Storage Temperature Range	T _{STG}	- 55 to + 150						οС	

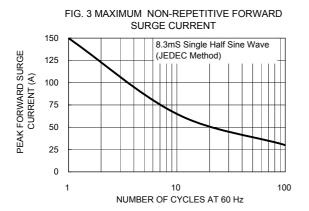
Notes 1: Pulse Test with PW=300 usec, 1% Duty Cycle



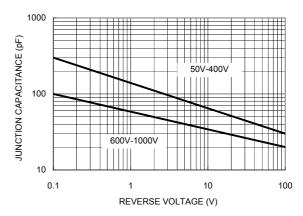
RATINGS AND CHARACTERISTIC CURVES (GBL005 THRU GBL10)

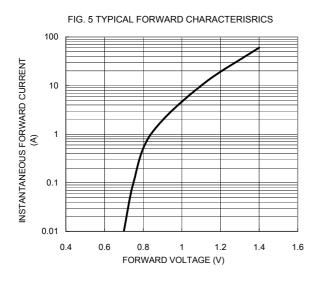












Version:G12