

GBL4005 Thru GBL410

Glass Passivated Single-Phase Bridge Rectifier

FEATURES

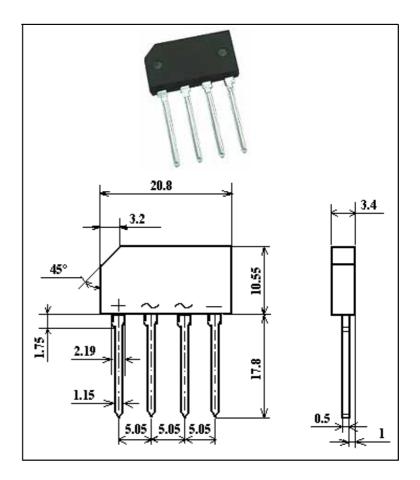
. Plastic Package has Underwriters Laboratory

Flammability Classification 94V-0

. This series is UL listed under the Recognized

Component index,file number E231047

- . Single-in-line package
- . High current capality with small package
- . Superior thermal conductivity
- . High temperature soldering guaranted:
 - 260 /10 seconds
- . High I_{FSM}



Maximum Ratings & Thermal Characteristics Ratings at 25 ambient temperature unless otherwise specified.

Parameter Symbol	Symbol	GBL4005	GBL401	GBL402	GBL404	GBL406	GBL408	GBL410	Unit
Maximum repetitive voltage	V _{RM}	50	100	200	400	600	800	1000	V
Maximum DC reverse currentTA=25at rated DC blocking voltageTA=125	I _R	5 500							μΑ
Average rectified forward current 60Hz Sine wave Resistance load with heat sink Tc=50	Іо	4							А
Peak forward surge current 8.3ms single half sine- wave superimposed on rated load	I _{FSM}	150							А
Dielectric strength Terminals to case, AC 1 minute Current 1mA	Vdia	2.5							KV
Maximum instantaneous forward voltage at 4A	V _F	1.1							V
Operating junction temperature	T _J		150						
Storage temperature	Tstg	-55~150							



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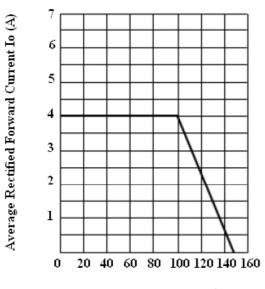
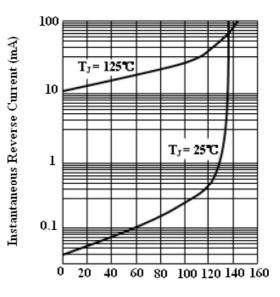


Fig.1 Derating Curve

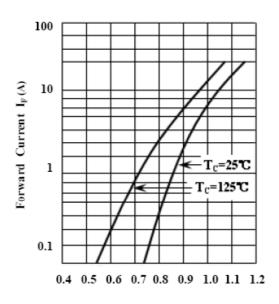
Case Temperature Tc (C)

Fig.2 Typical Reverse Characteristics



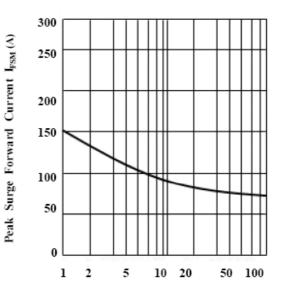
Percent Of Rated Peak Reverse Voltage %

Fig.3 Forward Voltage



Forward Voltage V_F(V)

Fig.4 Peak Surge Forward Capability



Number Of Cycles (cycles.)