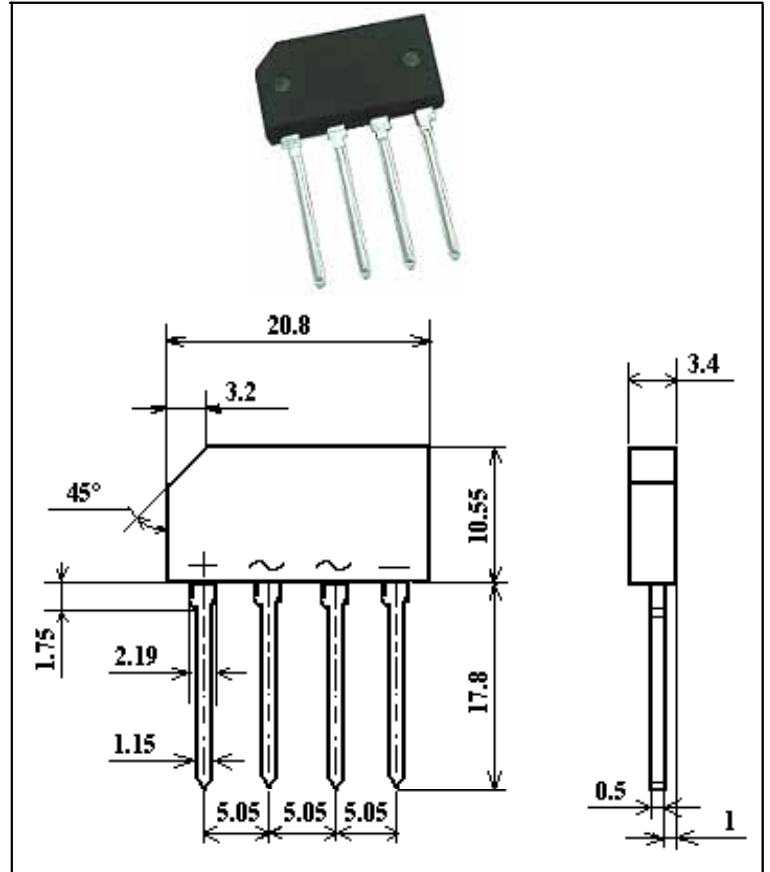


## GBL2005 Thru GBL210

### Glass Passivated Single-Phase Bridge Rectifier

#### FEATURES

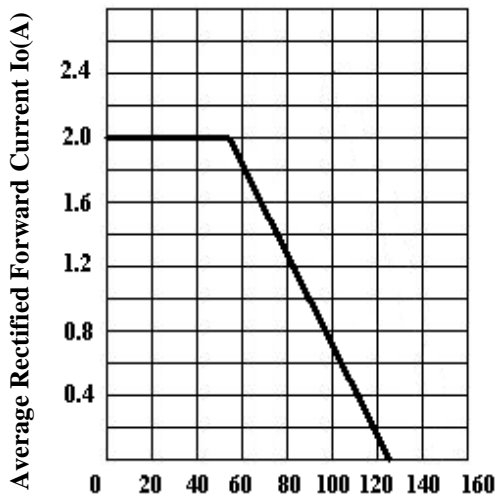
- . Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- . This series is UL listed under the Recognized Component index, file number E231047
- . Single-in-line package
- . High current capacity with small package
- . Superior thermal conductivity
- . High temperature soldering guaranteed:  
260 /10 seconds
- . High  $I_{FSM}$

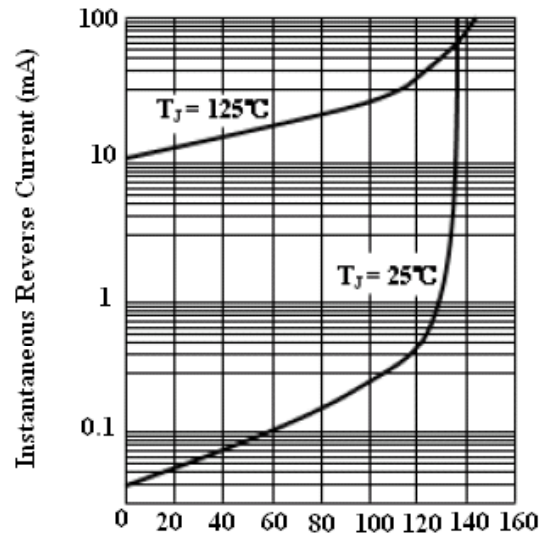


#### Maximum Ratings & Thermal Characteristics Ratings at 25 ambient temperature unless otherwise specified.

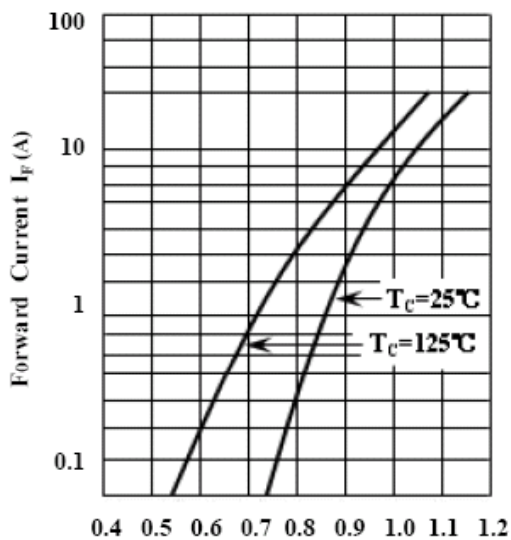
Parameter Symbol	Symbol	GBL2005	GBL201	GBL202	GBL204	GBL206	GBL208	GBL210	Unit
Maximum repetitive voltage	$V_{RM}$	50	100	200	400	600	800	1000	V
Maximum DC reverse current at rated DC blocking voltage	$I_R$			5 500					$\mu A$
Average rectified forward current 60Hz Sine wave Resistance load with heat sink $T_c=50$	$I_o$			2					A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$			80					A
Dielectric strength Terminals to case , AC 1 minute Current 1mA	$V_{dia}$			2.5					KV
Maximum instantaneous forward voltage at 4A	$V_F$			1.1					V
Operating junction temperature	$T_J$			150					
Storage temperature	$T_{stg}$			-55~150					

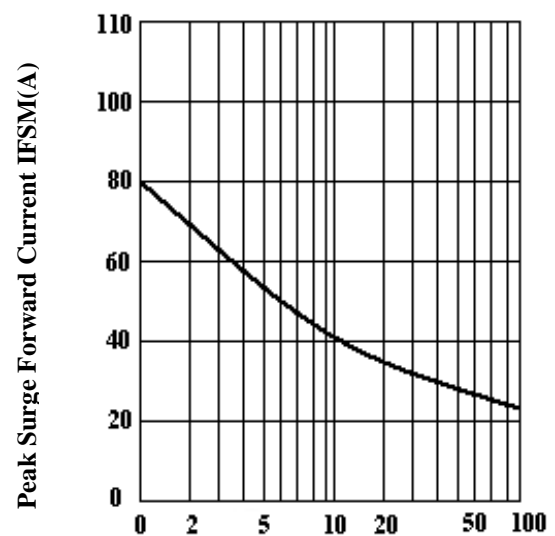
## GBL2005 Thru GBL210

**Fig.1 derating Curve**

 Case Temperature  $T_c$  ( ° )

**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 at 60 Hz(cycles)