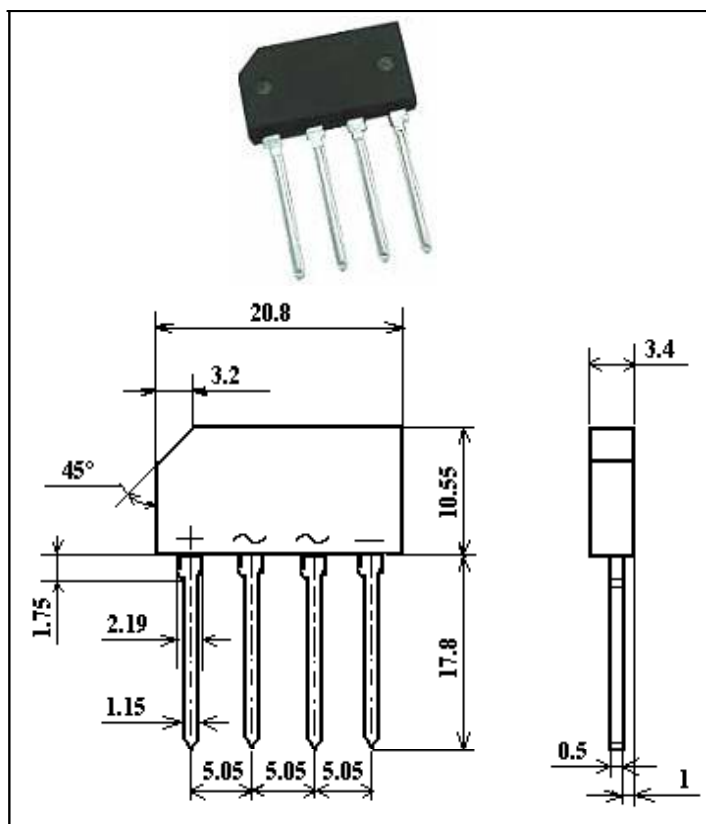


## GBL2005 Thru GBL210

### 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°C/10 seconds
- High  $I_{FSM}$



**Maximum Ratings & Thermal Characteristics Ratings at 25°C 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 $T_A=25^\circ\text{C}$ $T_A=125^\circ\text{C}$	$I_R$	5 500							$\mu\text{A}$
Average rectified forward current 60Hz Sine wave Resistance load with heat sink $T_c=50^\circ\text{C}$	$I_o$	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							$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55~150							$^\circ\text{C}$