

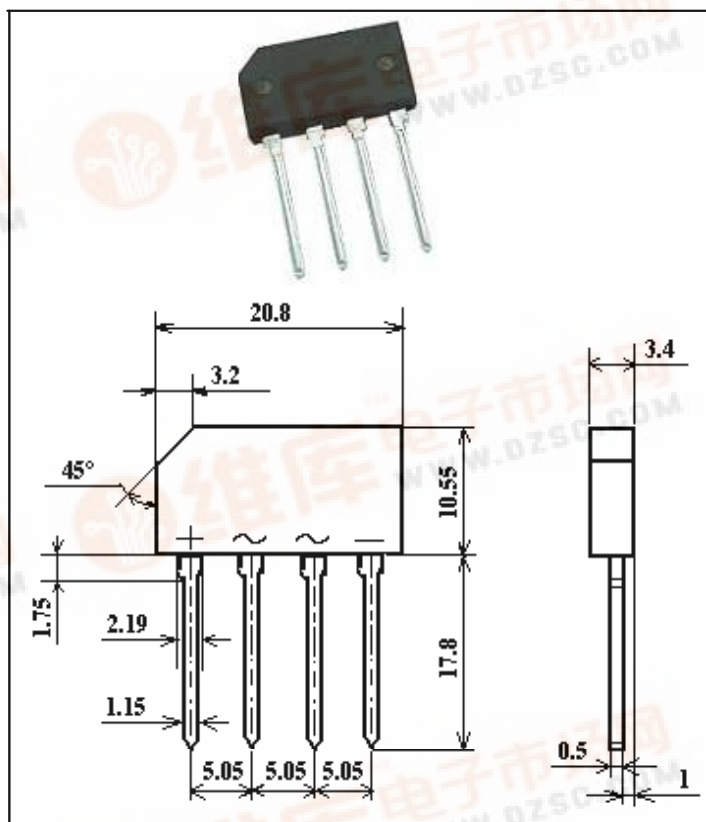


GBL2005 Thru GBL210

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							μA
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							$^\circ\text{C}$