

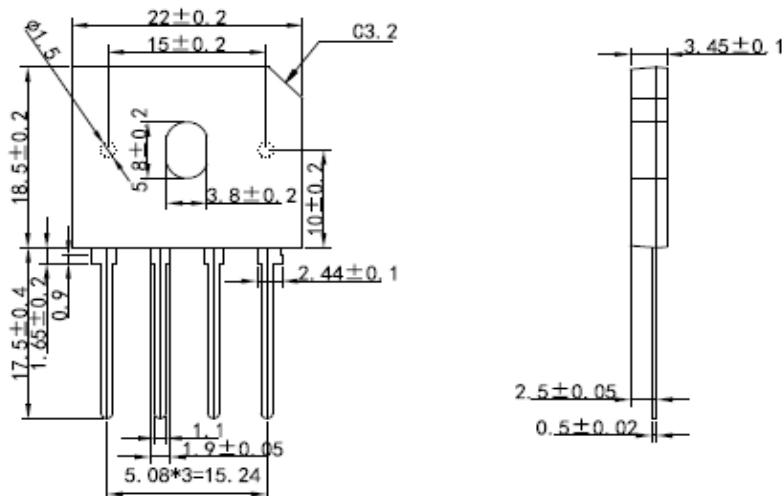
FEATURES

- I_{o} 15A
- V_{RRM} 200V-1000V
- Glass passivated chip
- High surge forward current capability

Applications

- General purpose 1 phase Bridge rectifier applications

GBU



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	GBU1502	GBU1504	GBU1506	GBU1508	GBU1510	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average Forward (with heatsink $T_c=98^\circ\text{C}$) Rectified Current (without heatsink $T_a=25^\circ\text{C}$)	$I_{(o)}$			15.0			A
				3.2			
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}			200			A
Maximum Forward Voltage at 7.5A DC	V_F			1.1			V
Peak Reverse Current	I_R			10.0			μA
Dielectric Strength (Terminals to case, AC 1 minute)	V_{dis}			2.5			KV
Mounting Torque (5kg·cm)	T_{OR}			8			kg·cm
Typical Thermal Resistance	R_{ejc}			5			$^\circ\text{C}/\text{W}$
Operating Temperature Range	T_J			+150			$^\circ\text{C}$
Storage Temperature Range	T_{STG}			-40 to +150			$^\circ\text{C}$

Characteristics(Typical)
