

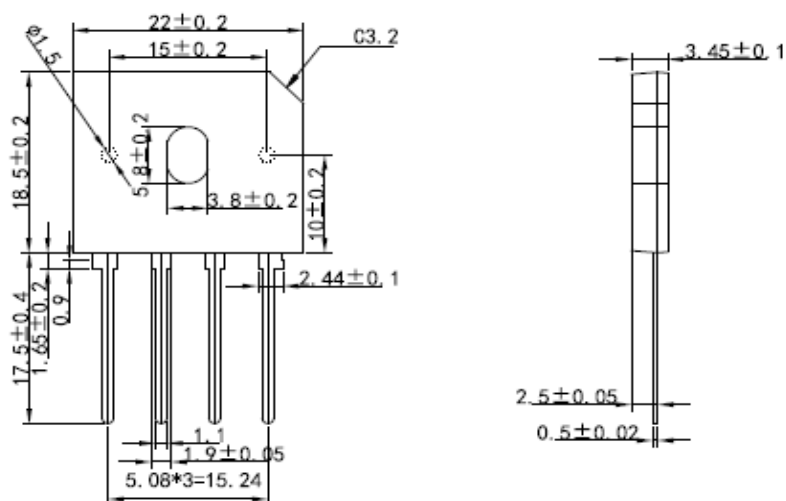
FEATURES

- 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 Rectified Current (with heatsink $T_c=98^{\circ}C$) (without heatsink $T_a=25^{\circ}C$)	I_o	15.0 3.2					A
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)	TOR	8					kg-cm
Typical Thermal Resistance	$R_{\theta JC}$	5					$^{\circ}C/W$
Operating Temperature Range	T_J	+150					$^{\circ}C$
Storage Temperature Range	T_{STG}	-40 to +150					$^{\circ}C$

Characteristics(Typical)

