

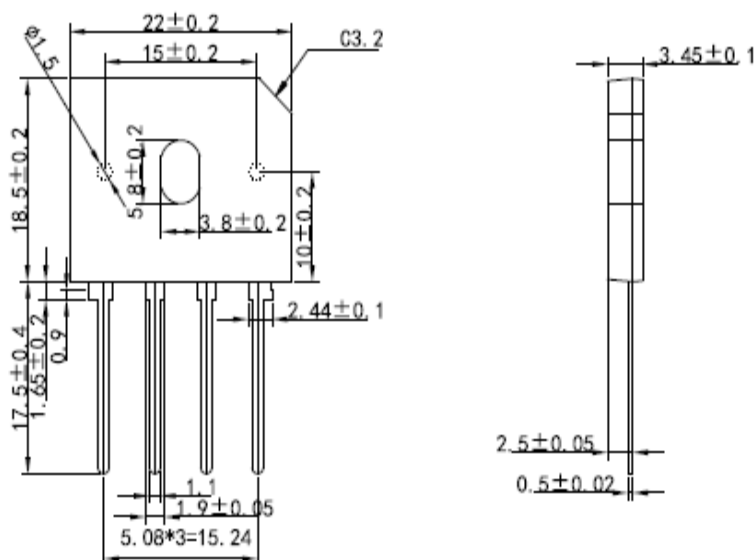
FEATURES

- I_o 25A
- V_{RRM} 200V-1000V
- Glass passivated chip
- High surge forward current capability

Applications

- General purpose 1 phase Bridge rectifier applications

GBU

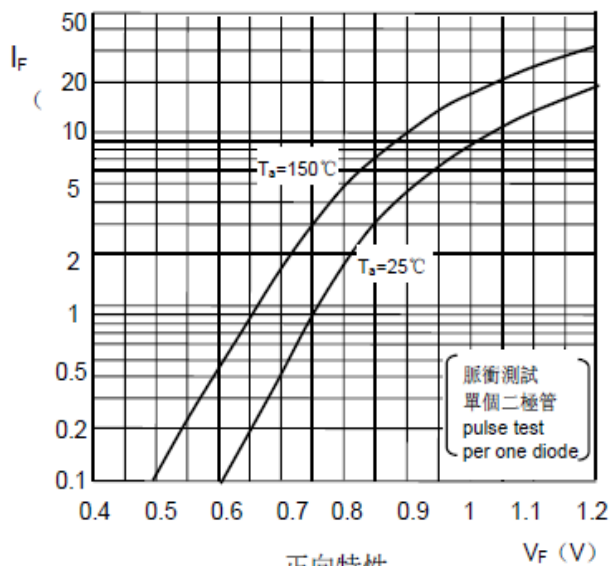


Dimensions in inches and (millimeters)

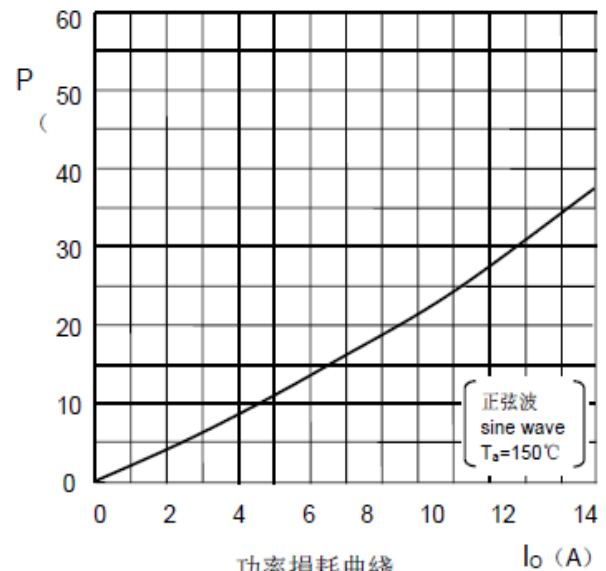
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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%

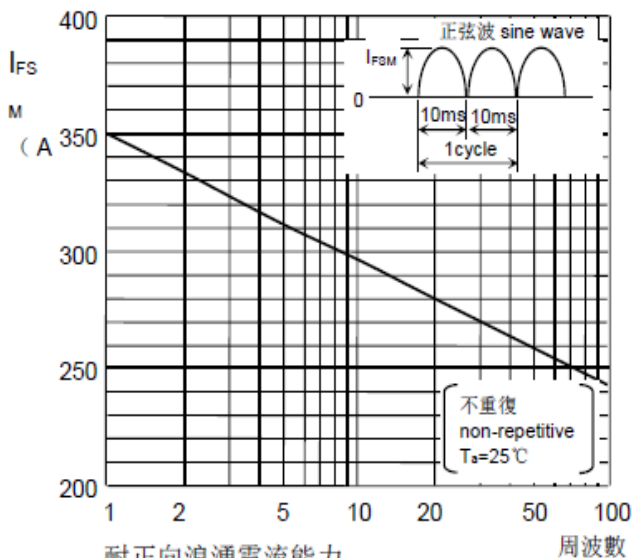
CHARACTERISTICS	SYMBOL	GBU2502	GBU2504	GBU2506	GBU2508	GBU2510	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (with heatsink $T_c=98^{\circ}C$) (without heatsink $T_a=25^{\circ}C$)	I_o	25.0 3.5					A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	350					A
Maximum Forward Voltage at 12.5A 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)


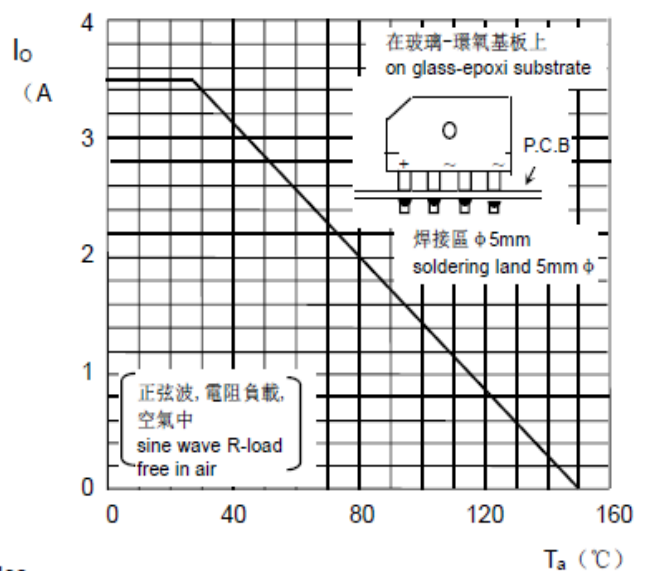
正向特性
Forward Characteristics



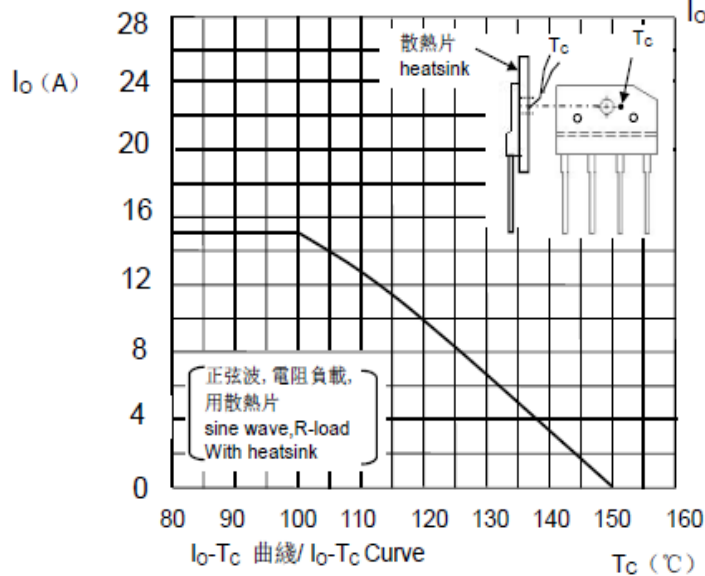
功率損耗曲線
P- I_O Curve



耐正向浪湧電流能力
Surge Forward Current Capability



I_O - T_a 曲線
 I_O - T_a Curve



I_O - T_c 曲線/ I_O - T_c Curve