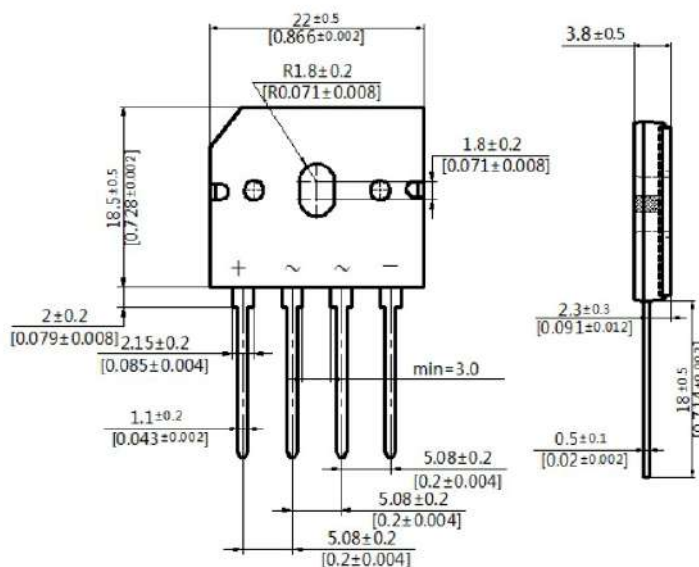
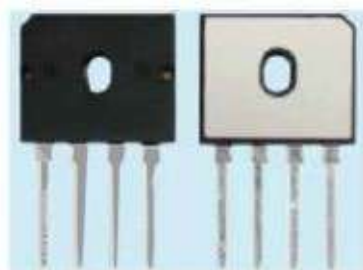


SINGLE PHASE 25 AMP BRIDGE RECTIFIERS

Features:

- Surge overload rating -350 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L flammability classification 94V-0
- Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25. ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	GBU 25005H	GBU 2501H	GBU 2502H	GBU 2504H	GBU 2506H	GBU 2508H	GBU 2510H	UNIT	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	v	
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	v	
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	v	
Maximum Average Forward Rectified Current (with heatsink Note 2) @ $T_c=100^\circ\text{C}$ (without heatsink)	I_{AV}	25.0							4.2	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
Maximum DC Reverse Current at Rated DC Blocking Voltage @ $T_J=25^\circ\text{C}$ @ $T_J=125^\circ\text{C}$	I_R	10.0							500	μA
I^2t Rating for Fusing ($t<8.3\text{ms}$)	I^2t	200								A^2s
Typical Junction Capacitance Per Element (Note1)	C_J	70								pF
Typical Thermal Resistance	$R_{\theta JC}$	2.2								$^\circ\text{C}/\text{W}$
Operating Temperature Range	T_J	-55 to +150								$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150								$^\circ\text{C}$

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2.Device mounted on 100mm*100mm*1.6mm Cu plate heatsink

FIG.1-MAXIMUM FORWARD SURGE CURRENT

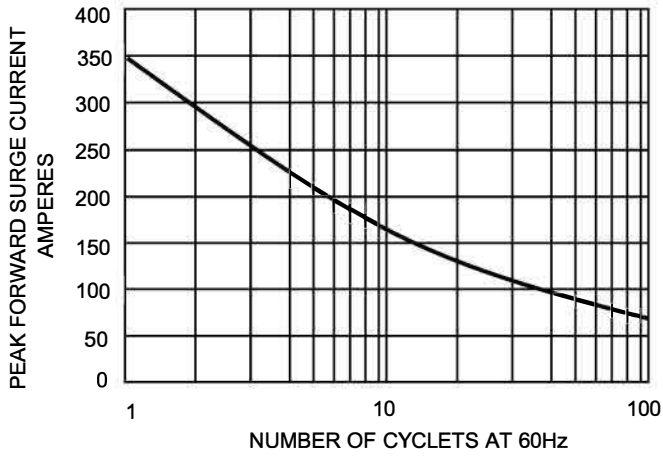


FIG.2- DERATING CURVE
 OUTPUT RECTIFIED CURRENT

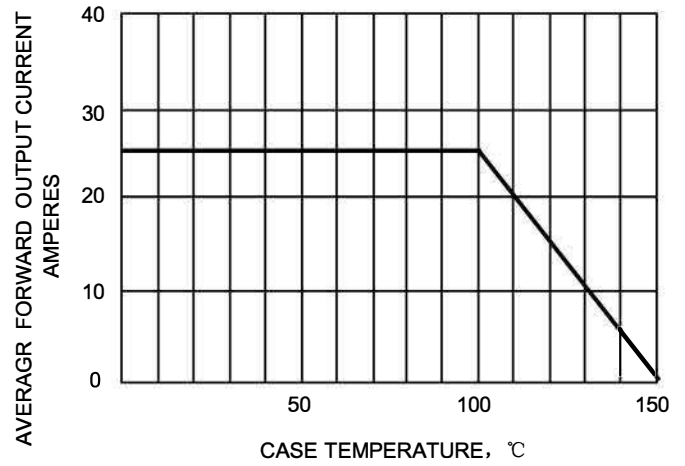


FIG.3-TYPICAL FORWARD CHARACTERISTICS

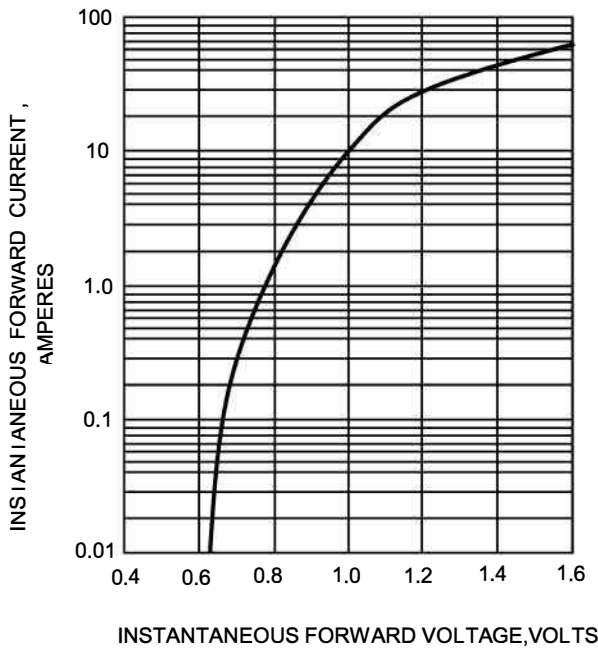


FIG.4-TYPICAL REVERSE CHARACTERISTICS

