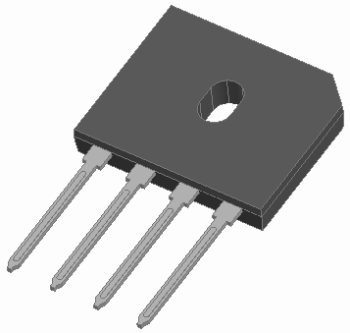
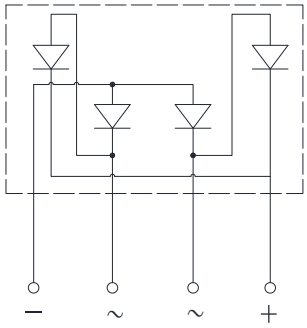
RoHS
COMPLIANT





- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- High surge current capability
- Low VF
- Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.

- : GBU
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

■ (Ta=25℃ Unless otherwise specified)

Device marking code				GBUL1008A
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	V	800
Maximum RMS Voltage		V_{RMS}	V	480
Maximum DC blocking Voltage		V_{DC}	V	800
Average rectified output current @60Hz sine wave, R-load	With heatsink Tc =113℃	I_O	A	10
	Without heatsink Ta =25℃			3.6
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25		I_{FSM}	A	220
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				440
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode		I^2t	A^2S	200
Storage temperature		T_{stg}		-55 ~ +150
Junction temperature		T_j		-55 ~ +150
Dielectric strength @ Terminals to case, AC 1 minute		V_{dis}	KV	2.5
Mounting torque @Recommend torque：5kg cm		Tor	kg cm	8

■ （Ta=25℃ Unless otherwise specified）

Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=5.0A	0.92
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j=25	5
			T_j=125	100
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	110

■ （T_a=25℃ Unless otherwise specified）

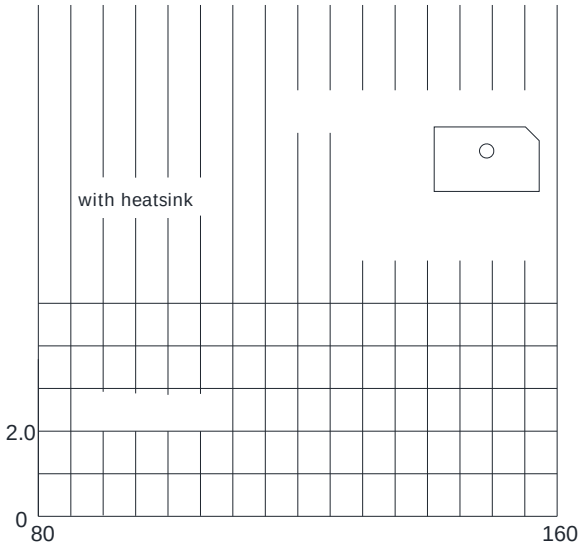
Thermal Resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	℃/W	25
	Between junction and case, With heatsink	$R_{\theta J-C}$		2

Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

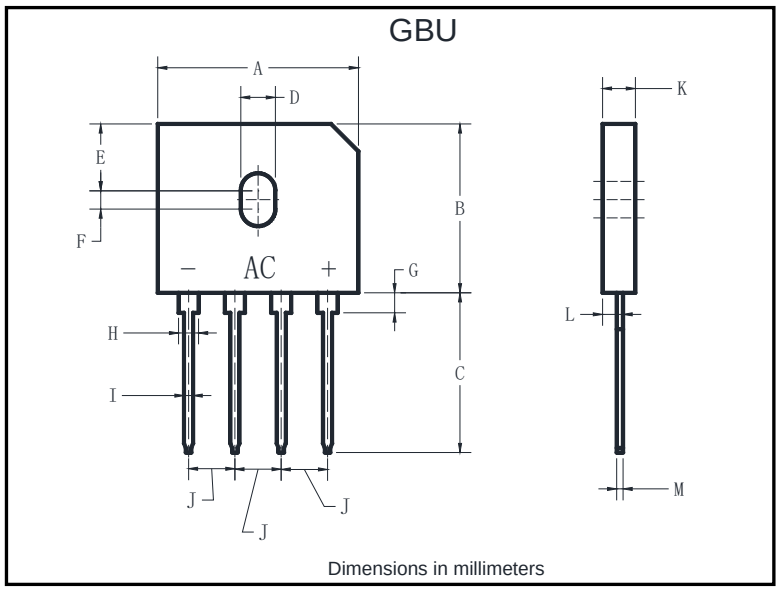
■

GBUL1008A	B1	Approximate 3.97	20	1000	2000	TUBE

■



■



Dim	Min	Max
A	21.80	22.30
B	18.30	18.80
C	17.50	18.00
D	3.50	4.10
E	7.40	7.90
F	1.65	2.16
G	1.91	2.54
H	2.06	2.54
I	1.02	1.27
J	4.83	5.33
K	3.30	3.56
L	2.40	2.66
M	0.46	0.56

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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