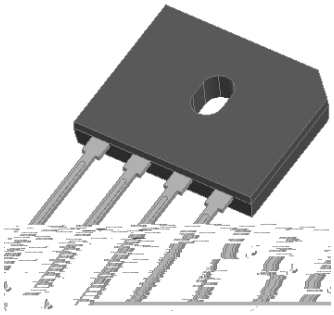
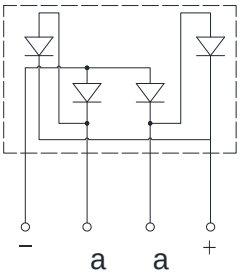
RoHS
COMPLIANT





- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- High surge current capability
- 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 Å

Device marking code				EGBU1006
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	V	600
Maximum RMS Voltage		V_{RMS}	V	420
Maximum DC blocking Voltage		V_{DC}	V	600
Average rectified output current @60Hz half sine wave, R-load	With heatsink Tc =100 -	I_O	A	10.0
	Without heatsink Ta =25 -			3.2
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25 -		I_{FSM}	A	175
Current squared time @1ms≤t≤8.3ms Tj=25 - , Rating of per diode		I^2t	A^2S	127
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 Ö5kg cm		Tor	kg cm	8

■ ÄTa=25 Unless otherwise specified Å

Maximum reverse recovery time	T_{RR}	ns	I_F=0.5A,I_R=1.0A, I_{RR}=0.25A	35
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=5.0A	1.7
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	54

■ ÄTa=25 Unless otherwise specified Å

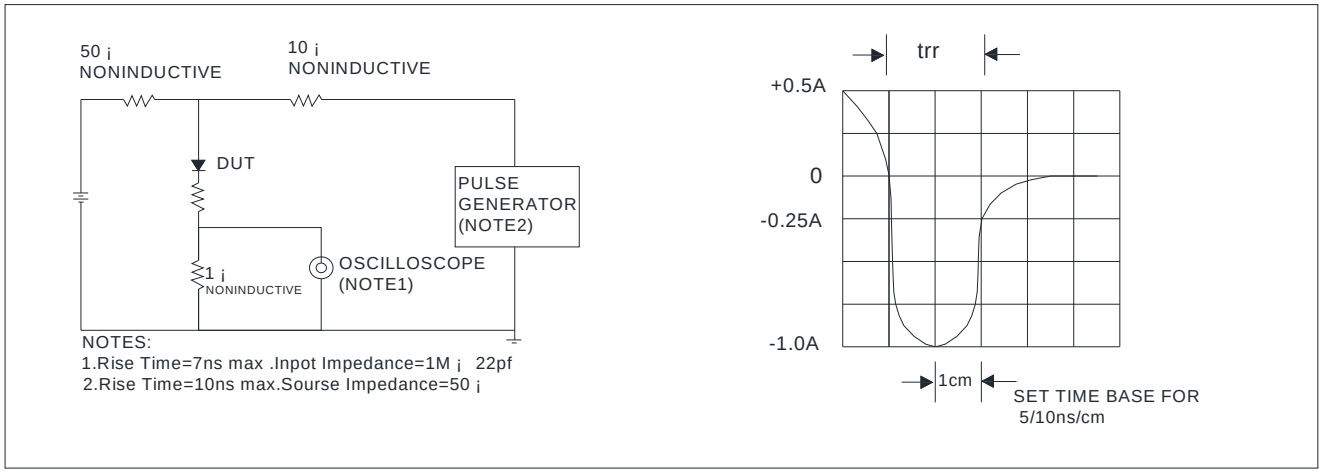
Thermal Resistance	Between junction and ambient, Without heatsink	RθJ-A	- /W	20
	Between junction and case, With heatsink	RθJ-C		2

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

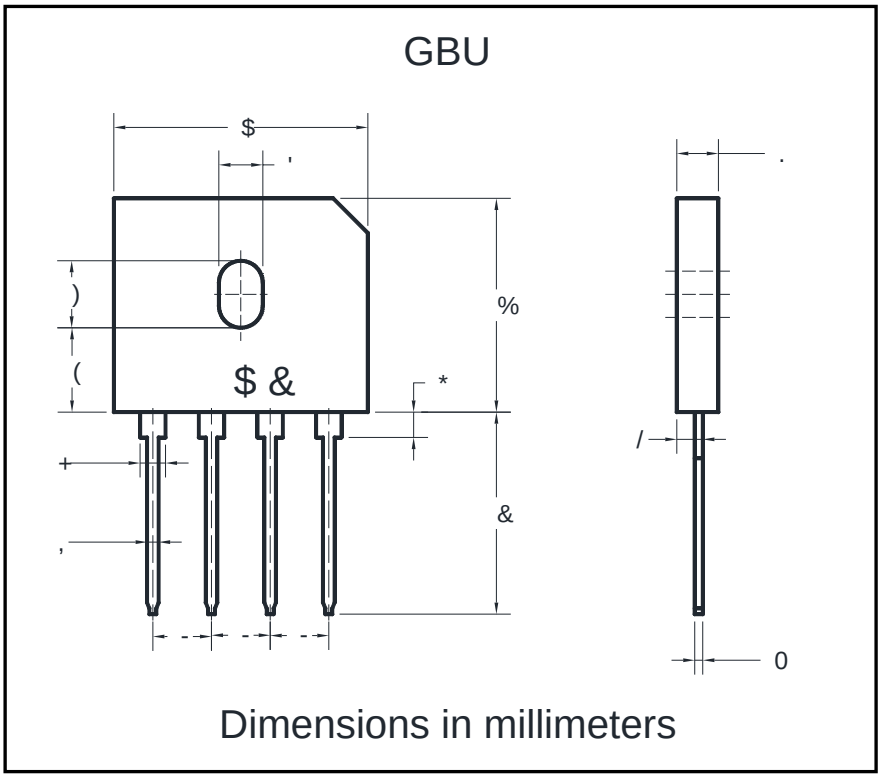
■ (Example)

	B1	Approximate 3.96	20	1000	2000	TUBE

■



■



Dim	Min	Max
A	21.80	22.30
B	18.30	18.80
C	17.50	18.00
D	3.30	3.90
E	7.10	7.50
F	5.50	5.90
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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