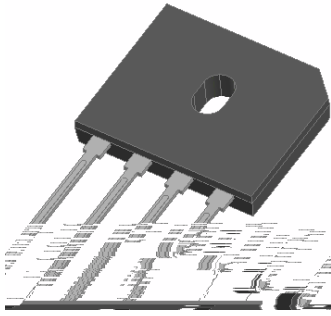


Super Fast Recovery Bridge Rectifiers

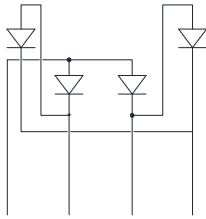


Features

- 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

Typical Applications

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.



Mechanical Data

Packag T

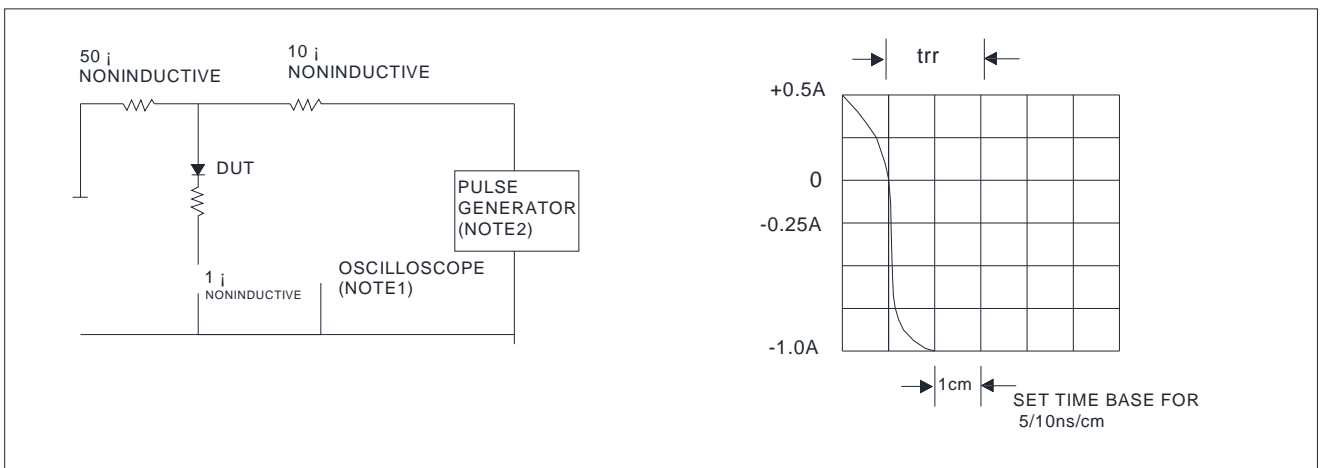
V M

		RMS	V	420
Maximum DC blocking Voltage		V _{DC}	V	600
Average rectified output current @ 60Hz sine wave, R-load	With heatsink T _c = 100 °C	I _o	A	30
	Without heatsink T _a = 25 °C			3.0
Forward Surge Current (Non-repetitive) @ 60Hz Half-sine wave, 1 cycle, T _j = 25 °C	I _{FSM}	A	A	320
Forward Surge Current (Non-repetitive) @ 1ms, square wave, 1 cycle, T _j = 25 °C				640
Current squared time @ 1ms to 8.3ms T _j = 25 °C, Rating of per diode	I ² t	A ² S		425
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 0.5kg cm	Tor	kg cm		8



Electrical Characteristics $\ddot{A}T_a$

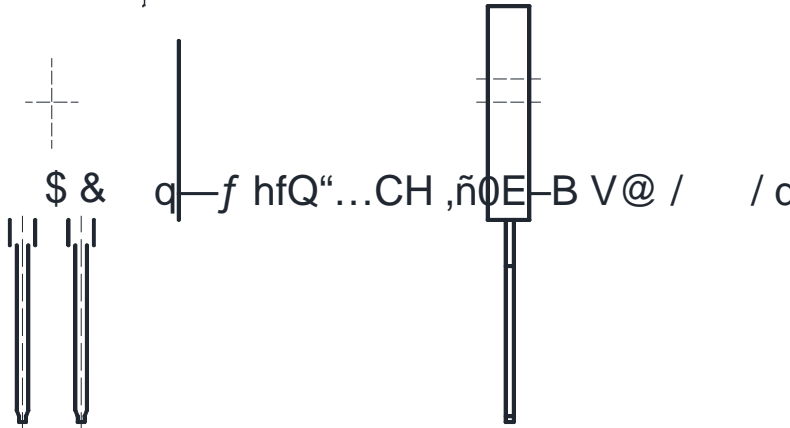
FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





EGBU3006

Outline Dimensions



GBU		
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

Dimensions in millimeters



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