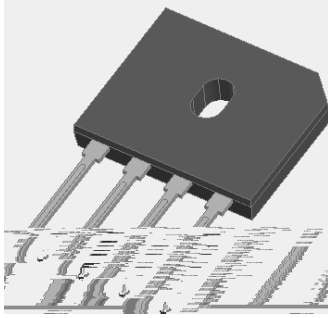


Super Fast Recovery Bridge Rectifiers

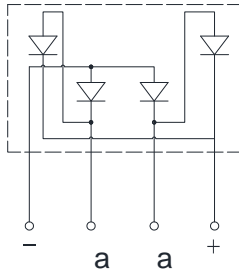


Features

- 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 4 60Hz sine wave R-load | With heatsink T _c = 25 °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 | I _{FSM} | A | 320 | |
| Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25 | | | 640 | |
| Current squared time @1ms t 8.3ms T _j =25 , 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 | |



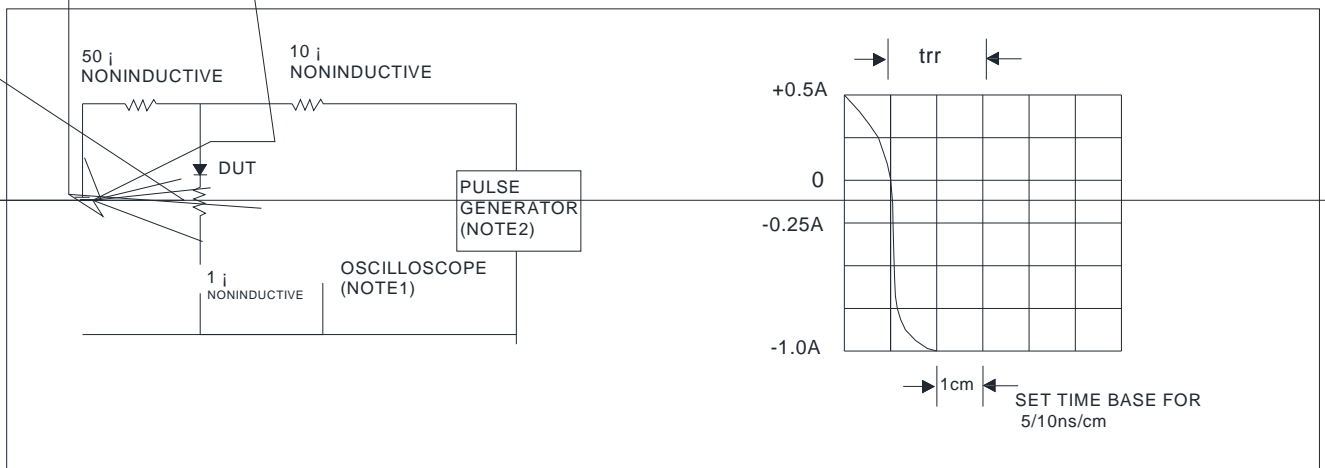
Electrical Characteristics $\ddot{A}T_a$



1.Rise Time=7ns max .Input Impedance=1M

2.Rise Time=10ns max.Sour Impedance=50Ω
EGBU3006

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





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



Disclaimer

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