



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, switch power supply, etc.

Maximum Ratings (T_a=25 °C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	EGBJ2506	
Device marking code			EGBJ2506	
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 sine wave, R-load	With heatsink T _c =105	I _O	A	25.0
	Without heatsink T _a =25			3.2
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _j =25	I _{FSM}	A	220	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25			440	
Current squared time @1ms t 8.3ms T _j =25 °C, Rating of per diode	I ² t	A ² S	201	

EGBJ2506

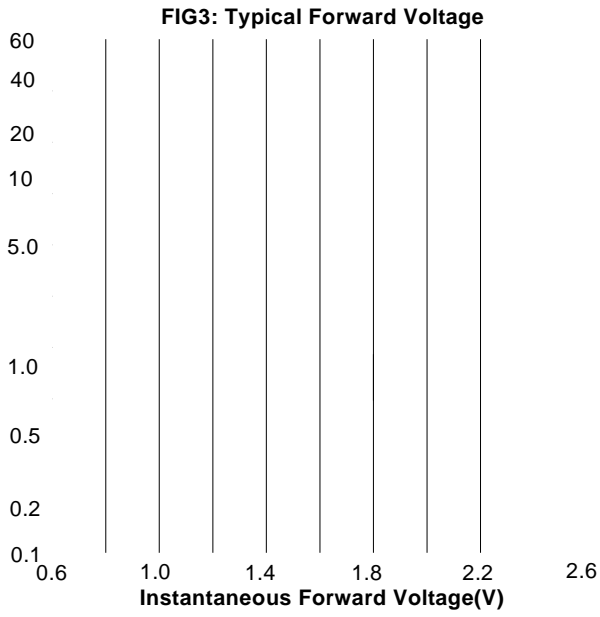
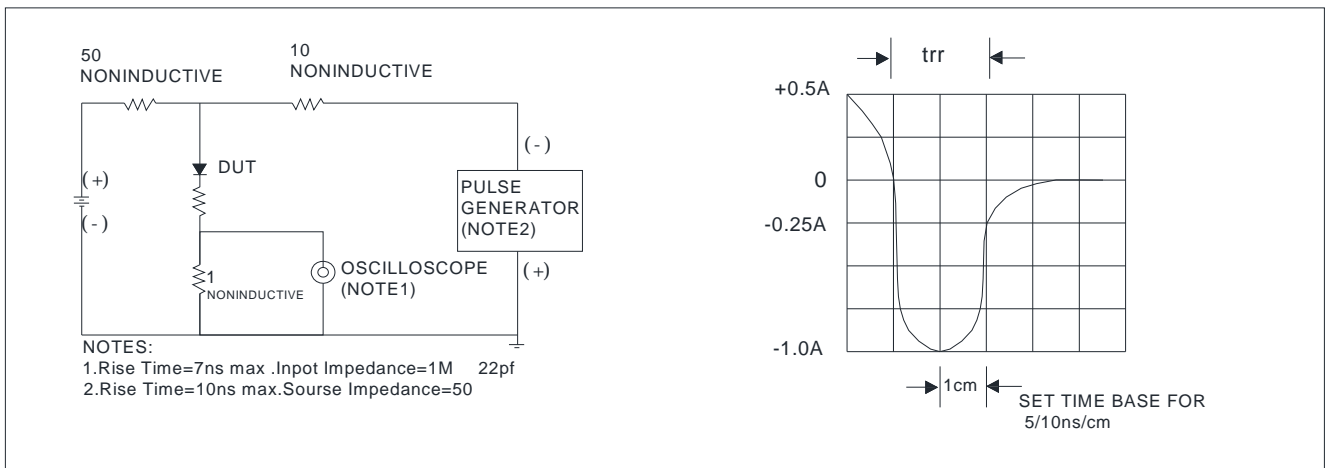


FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





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