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Designing RC snubbers 1. Introduction This document describes the design of a simple " RC snubber circuit " . The snubber is used to suppress high-frequency oscillations associated with reverse recovery effects in power semiconductor applications 2. Test circuit The basic circuit is a half-bridge and shown in Figure 1.

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Design Of Snubbers For Power Circuits

Figure 4: Circuit with an inductive load – a) switch unprotected, b) switch protected with a snubber. There are many different kinds of snubbers; this paper focuses on the most widely used – an RC snubber. The RC snubber design discussed here is used in a step-down or buck SMPS.

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A snubber circuit is essential for Flyback converter, to prevent the transistor from burning up. The overshoot on the transistor voltage, is due to the leakage inductance, L_{leak} , of the transformer. 1 Variables 2 Transistor snubber design 2.1 RCD snubber 2.2 Example 2.2.1 Calculations 3 Schottky snubber design 4 References - max power dissipated by the snubber resistor - snubber resistor - snubber ...

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An RC snubber network adds a resistor and capacitor in series to the high-speed switch node of your circuit. (Courtesy of Cornell Dubilier) For higher power application, you can put a diode in...

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