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#90: Measure Capacitors and Inductors with an Oscilloscope and some basic parts

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Inductive spiking, and how to fix it!~~How to choose the right coil type (inductor)?!~~ What is Inductance? ~~The 3 Effects of Inductors - The 2 Minute Guru (s2e9) [Webinar] - Inductor Design for Power Electronics Applications Using EMS Coupled Inductor Basics~~ The \"Power-Inductor Checker\": A tester for power-inductors

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Magic of Magnetism \u0026amp; Inductors (ElectroBOOM101-007) Basics of coupled inductors in power supplies How to decrease inductor size in a 10A DC/DC converter design How to Design a Coil for Specific Inductance **W\u00fcrth Elektronik Webinar: How do I select the right inductor for a DC/DC converter design?**

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Design Of Microfabricated Inductors Power IEEE TRANSACTIONS ON POWER ELECTRONICS, VOL. 14, NO. 4, JULY 1999 709 Design of Microfabricated Inductors Luca Daniel, Student Member, IEEE, Charles R. Sullivan, Member, IEEE, and Seth R. Sanders, Member, IEEE Abstract—Possible configurations for microfabricated inductors are considered. Inductance can be set by adjusting perme-

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Design of microfabricated inductors - Power Electronics ... 603-646-2851 <http://engineering.dartmouth.edu/inductor/> Abstract— Microfabricated inductor designs are proposed for

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Abstract— Microfabricated inductor designs are proposed for converters for microprocessor power delivery. The fabrication process uses anisotropic silicon etching to form V-grooves; granular metal/insulator nanoscale composite magnetic materials; and copper conductors.

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Abstract: Possible configurations for microfabricated inductors are considered. Inductance can be set by adjusting permeability through control of anisotropy of a permalloy core or via a patterned quasi-distributed gap. A design methodology based on a simple model is proposed. A more accurate model and a numerical optimization are also developed.

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Design of microfabricated inductors - IEEE Journals & Magazine

Design of microfabricated inductors for microprocessor power delivery by G J Mehas , K D Coonley , C R Sullivan , Gustavo J Mehas , Kip D Coonley , Charles R Sullivan - in IEEE Applied Power Electronics Conf. Proceedings , 1999

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CiteSeerX — Citation Query Design of Microfabricated Inductors

Abstract: Transformers and inductors fabricated with micron-scale magnetic-alloy and copper thin films are designed for high-frequency power conversion applications. Fine patterning produced by photolithography reduces eddy current losses, thus enabling very high power densities.

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Design of microfabricated inductors | Semantic Scholar Nov 2, 2012 - Contact mask layout for microfabricated inductors with thin-film magnetic cores. These magnetic components will be used for high-efficiency integrated power converters in LED lighting systems. Image courtesy of Ph.D. candidate Dan Harburg, working under advisor Professor Victor Petrenko. Submitted as part of the ...

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We are developing high-frequency (8 MHz) power inductors fabricated by thin-film deposition and photolithography. They are described in " Design of Microfabricated Inductors for Microprocessor Power Delivery " and " Converter and Inductor Design for Fast-Response Microprocessor Power Delivery ", and in the first and second papers titled "Fabrication of Thin-Film V-Groove Inductors Using Composite Magnetic Materials."

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Design of microfabricated transformers and inductors for ...  
Nov 14, 2012 - Contact mask layout for microfabricated inductors with thin-film magnetic cores. These magnetic components will be used for high-efficiency integrated power converters in LED lighting systems. Image courtesy of Ph.D. candidate Dan Harburg, working under advisor and Professor

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