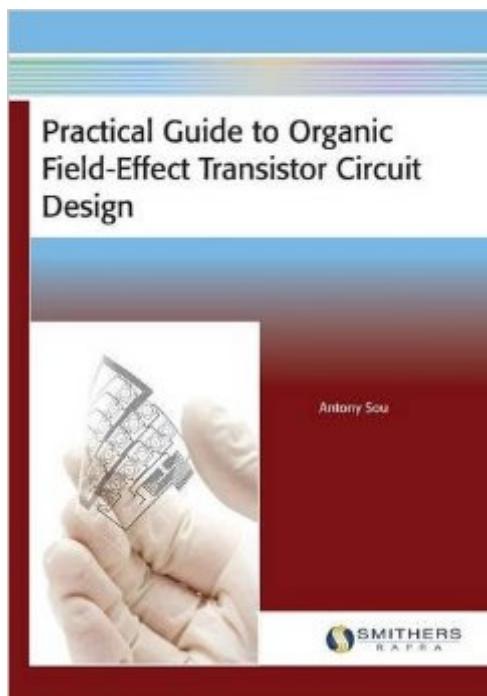


The book was found

Practical Guide To Organic Field-Effect Transistor Circuit Design



Synopsis

The field of organic electronics spans a very wide range of disciplines from physics and chemistry to hardware and software engineering. This makes the field of organic circuit design a daunting prospect full of intimidating complexities, yet to be exploited to its true potential. Small focused research groups also find it difficult to move beyond their usual boundaries and create systems-on-foil that are comparable with the established silicon world. This book has been written to address these issues and is intended for two main readerships: firstly, physics or materials researchers who have thus far designed circuits using only basic drawing software; secondly, experienced silicon CMOS VLSI design engineers who are already knowledgeable in the design of full custom transistor-level circuits but are not familiar with organic devices or thin-film transistor devices. In guiding the reader through the disparate and broad subject matters, a concise text has been written covering the physics and chemistry of the materials, the derivation of the transistor models, the software construction of the simulation compact models, and the engineering challenges of a right-first-time design flow, with notes and references to the current state-of-the-art advances and publications. Real-world examples of simulation models, circuit designs, fabricated samples, and measurements have also been given, demonstrating how the theory can be used in applications.

Book Information

Paperback: 130 pages

Publisher: Smithers Rapra Technology (April 18, 2016)

Language: English

ISBN-10: 1910242705

ISBN-13: 978-1910242704

Product Dimensions: 7 x 0.3 x 10 inches

Shipping Weight: 9 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,926,114 in Books (See Top 100 in Books) #118 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Transistors #1272 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design

[Download to continue reading...](#)

Practical Guide to Organic Field-Effect Transistor Circuit Design Field-Effect Transistor Amp

Analysis and Design Winter Circuit (Show Circuit Series -- Book 2) (The Show Circuit) Designing Dynamic Circuit Response (Analog Circuit Design) Ace Organic Chemistry I: The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Trivia: The Rosie Effect: A Novel By Graeme Simsion (Trivia-On-Books) (The Rosie Project & The Rosie Effect Bundle Book 2) Organic Body Care Recipes Box Set: Organic Body Scrubs, Organic Lip Balms, Organic Body Butter, And Natural Skin Care Recipes Circuit Engineering: The Beginner's Guide to Electronic Circuits, Semi-Conductors, Circuit Boards, and Basic Electronics Microwave Field-effect Transistors: Theory, Design and Applications (Electronic & Electrical Engineering Research Studies) Summer Circuit (Show Circuit Series -- Book 1) 2015 Federal Circuit Yearbook: Patent Law Developments in the Federal Circuit Principles of Transistor Circuits, Eighth Edition: Introduction and guide to the design of amplifiers, function generators, receivers and digital circuits The IGBT Device: Physics, Design and Applications of the Insulated Gate Bipolar Transistor Microwave Transistor Amplifiers: Analysis and Design (2nd Edition) Huerta Organica/ Organic Garden (Jardineria PrÁctica / Practical Gardening) (Jardineria PrÁctica / Practical Gardening) (Jardineria PrÁctica / ... (Jardineria PrÁctica / Practical Gardening) CMOS SRAM Circuit Design and Parametric Test in Nano-Scaled Technologies: Process-Aware SRAM Design and Test (Frontiers in Electronic Testing) Analog Circuit Design: Art, Science and Personalities (EDN Series for Design Engineers) Skew-Tolerant Circuit Design (The Morgan Kaufmann Series in Computer Architecture and Design) Organic Homemade Lotion Recipes - For All Skin Types (The Best Lotion DIY Recipes): Lotion Making For Beginners (organic lawn care manual, organic skin care, beauty and the beast) Transistor Radios: A Collector's Encyclopedia and Price Guide

[Dmca](#)