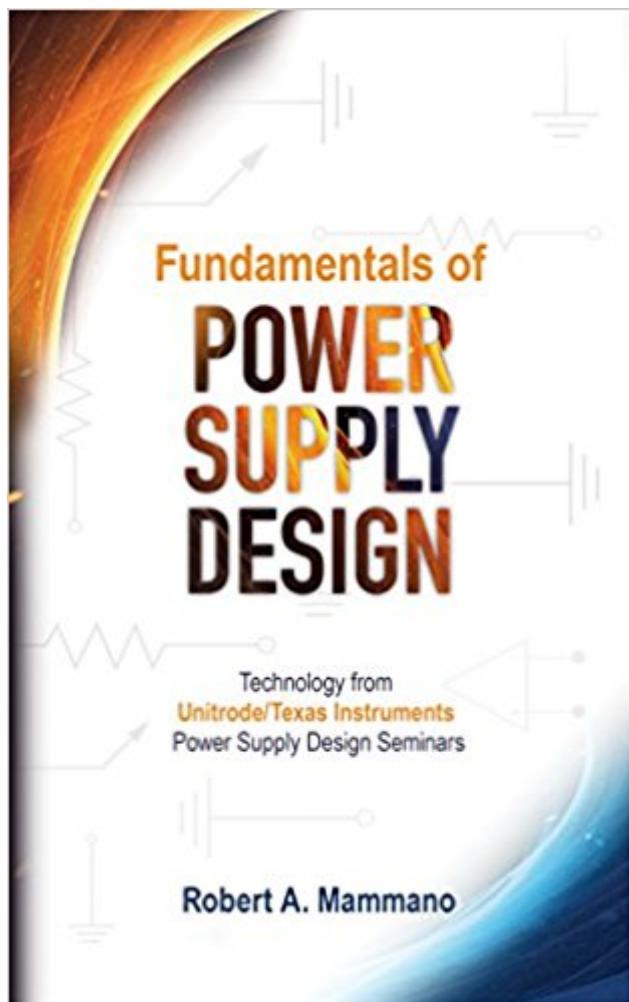


The book was found

Fundamentals Of Power Supply Design



Synopsis

Whether you are a student, a recent engineering grad entering the field of power electronics, or a seasoned power supply designer, this book will be a significant resource. From a basic definition of a power supply, this book follows with voltage regulation and the components necessary for implementation, and continues by describing the many circuit topologies and control algorithms. There are separate chapters on feedback-loop compensation and magnetic design as well as in-depth descriptions for complying with regulations for electromagnetic compatibility, human safety, and energy efficiency. Final chapters will describe the value proposition for digital control and the practical aspects of power supply construction. The information contained within this book has been drawn from the knowledge generated through forty years of Power Supply Design Seminars developed and presented by Unitrode and Texas Instruments, with references in the book's chapters linking to TI's library of past seminar topics.

Book Information

Hardcover

ISBN-10: 0998599409

ISBN-13: 978-0998599403

Package Dimensions: 9.2 x 6.3 x 0.9 inches

Shipping Weight: 1.7 pounds

Average Customer Review: 4.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #265,361 in Books (See Top 100 in Books) #75 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design

Customer Reviews

REVIEWER'S COMMENTS - This book offers engineers a very readable and practical introduction to power supply design. Mammano presents straightforward explanations on all aspects of design with just enough math and ample illustrations to communicate how power circuits, topologies, and control methods work, along with the essentials of the many subdisciplines. This book will be a handy reference even for experienced power supply designers. David Morrison, Editor, How2Power

It is just an ok book. It just goes over the fundamentals. I was expecting that the book would be as detailed as Basso, Maniktala or Billing's books. TI could have done a better job of incorporating some of their reference designs explaining various topologies in detail and showing step by step

procedure of building converters. But, there is nothing of such kind. Even the basic concepts in the book are not described in detail. May be this book was written just to make sure no one forgets who the father of PWM IC was.

Very good book and clear description of DC-DC details. May have some errors on page 118 and page 124. P118: $w/esr = 10\text{mohm}$ points to a wrong line. P124: maybe number 6 formula is wrong.

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

Supply Chain Management: Fundamentals, Strategy, Analytics & Planning for Supply Chain & Logistics Management Fundamentals of Power Supply Design Solar Power: The Ultimate Guide to Solar Power Energy and Lower Bills: (Off Grid Solar Power Systems, Home Solar Power System) (Living Off Grid, Wind And Solar Power Systems) Power Training: For Combat, MMA, Boxing, Wrestling, Martial Arts, and Self-Defense: How to Develop Knockout Punching Power, Kicking Power, Grappling Power, and Ground Fighting Power Power Pivot and Power BI: The Excel User's Guide to DAX, Power Query, Power BI & Power Pivot in Excel 2010-2016 Supply Chain Management for the Curious: Why Study Supply Chain Management? Supply Chain Management: Strategy, Operation & Planning for Logistics Management (Logistics, Supply Chain Management, Procurement) Supply Chain Transformation: Building and Executing an Integrated Supply Chain Strategy Common Sense Supply Management: Tales From The Supply Chain Trenches Plastic Injection Molding: Product Design & Material Selection Fundamentals (Vol II: Fundamentals of Injection Molding) (Fundamentals of injection molding series) Plastic Injection Molding: Mold Design and Construction Fundamentals (Fundamentals of Injection Molding) (2673) (Fundamentals of injection molding series) Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) Switching Power Supply Design, 3rd Ed. (Electronics) Switching Power Supply Design and Optimization, Second Edition Controlled Nuclear Fusion: Fundamentals of Its Utilization for Energy Supply Design, When Everybody Designs: An Introduction to Design for Social Innovation (Design Thinking, Design Theory) Merchants of Grain: The Power and Profits of the Five Giant Companies at the Center of the World's Food Supply Ortz AC Adapter Power Supply Cord for Xbox One [QUIET VERSION] Best for Charging - Brick Style - Great Charger Accessory Kit with Cable Switch-Mode Power Supply SPICE Cookbook Wind Power Plants: Fundamentals, Design, Construction and Operation

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)