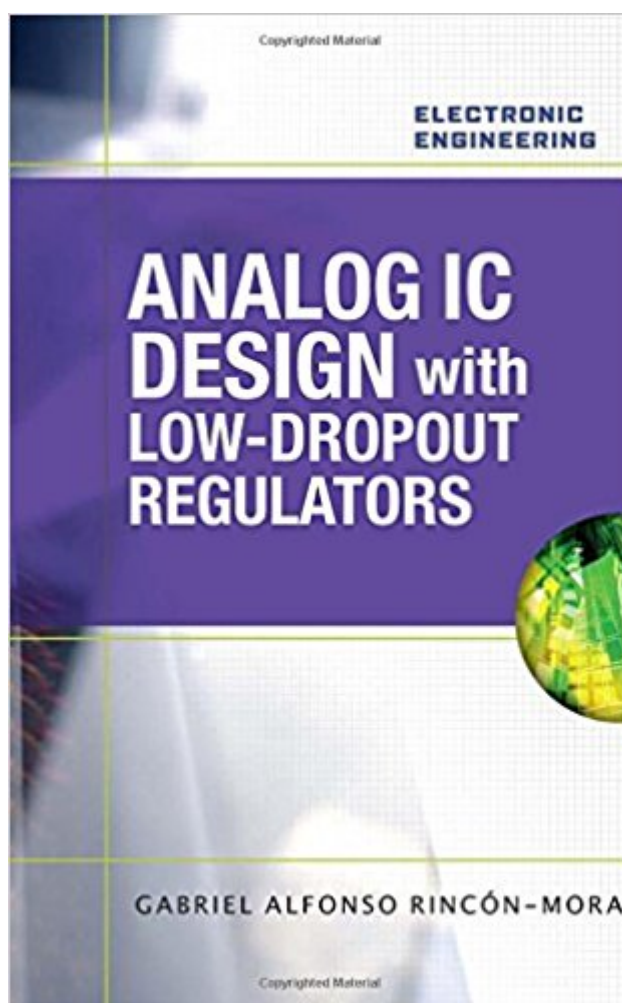


The book was found

Analog IC Design With Low-Dropout Regulators (LDOs) (Electronic Engineering)



Synopsis

Master Analog Integrated-Circuit Design Design, analyze, and build linear low-dropout (LDO) regulator ICs in bipolar, CMOS, and biCMOS semiconductor process technologies. This authoritative guide offers a unique emphasis on embedded LDO design. Through intuitive explanations and detailed illustrations, the book shows how you can put these theories to work creating analog ICs for the latest portable, battery-powered devices. Analog IC Design with Low-Dropout Regulators details the entire product development cycle-from defining objectives and selecting components to blueprinting, assembling, and fine-tuning performance. Work with semiconductors, employ negative feedback, handle fluctuating loads, and embed regulators in ICs. You will also learn how to build prototypes, perform tests, and integrate system-on-chip (SoC) functionality. Discover how to: Design, test, and assemble BJT-, MOSFET-, and JFET-based linear regulators Use current mirrors, buffers, amplifiers, and differential pairs Integrate feedback loops, negative feedback, and control limits Maintain an independent, stable, noise-free, and predictable output voltage Compensate for low input current and wide voltage swings Optimize accuracy, efficiency, battery life, and integrity Implement overcurrent protection and thermal-shutdown features Establish power and operating limits using characterization techniques

Book Information

Series: Electronic Engineering

Hardcover: 400 pages

Publisher: McGraw-Hill Professional; 1 edition (January 23, 2009)

Language: English

ISBN-10: 0071608931

ISBN-13: 978-0071608930

Product Dimensions: 6.4 x 1 x 9.4 inches

Shipping Weight: 1.3 pounds

Average Customer Review: 3.2 out of 5 stars 5 customer reviews

Best Sellers Rank: #2,772,712 in Books (See Top 100 in Books) #69 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Solid State #89 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Transistors #282 in Books > Engineering & Transportation > Engineering > Design

Customer Reviews

Gabriel A. Rinc n-Mora is a professor at Georgia Tech.

The English and the terminology are not conventional for Engineering, which make me confuse and take a long time to read it. Some of the equations are either. First 4 chapter, which is half of it, is only the review of basic analog circuit. Last 4 chapters are somewhat helpful. I would rather read other good papers for LDO.

Good seller - great package - item as described

This book has so many flaws and typos that I got frustrated. I would be glad if the author of this book reads this review and take back his book and refund my money.. Looks like the two 5 star review ratings are given by author or his friends!

I have been working as an IC designer specializing in power electronics for well over a decade. Over the course of my career I have been exposed to many text books. There are very few I would consider adding to my collection. As a point of reference I consider "Gray & Meyer" to be the gold standard of text books covering analog IC design. I only ever feel compelled to write a review if the object of the review is either exceedingly excellent or exceedingly poor. In the case of this text I believe it is exceedingly excellent. It is an advanced text and therefore I would not recommend it to an undergraduate engineering student. I have found the text to be both lucid and entertaining. The information is presented in a logical order and is germane to IC design in general. As implied by the title, this text book does not cover a wide array of topics like Gray & Meyer does, but the topics it does cover it covers very well. The chapters are titled as follows: 1: System Considerations 2: Microelectronic Devices 3: Analog Building Blocks 4: Negative Feedback 5: AC Design 6: IC Design 7: System Design 8: IC Protection and Characterization

From page ii (about the author): "...worked for Texas Instruments from 1994 to 2003,.....5 books and 1 book chapter, 26 patents, 100+ scientific publications,.....26 commercial power management chip designs.....adjunct professor at Georgia Tech in 1999,....faculty member in 2001..." Should I say anything more to recommend this book to the people in the industry?

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

Analog IC Design with Low-Dropout Regulators (LDOs) (Electronic Engineering) Low Carb: 365 Days of Low Carb Recipes (Low Carb, Low Carb Cookbook, Low Carb Diet, Low Carb Recipes, Low Carb Slow Cooker, Low Carb Slow Cooker Recipes, Low Carb Living, Low Carb Diet For

Beginners) Low Carb Diet: Introduction To Low Carb Diet And Recipes Of Low Carb Soups And Casseroles: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Low Carb Cookbook: Delicious Snack Recipes for Weight Loss. (low carbohydrate foods, low carb cooking, low carb diet, low carb recipes, low carb, low carb ... dinner recipes, low carb diets Book 1) Low Carb Candy Bars: 25 Low Carb Recipes To Satisfy Your Sweet Tooth: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Analog Circuit Design, Volume 2: Immersion in the Black Art of Analog Design Low Carb Cookbook: 500 BEST LOW CARB RECIPES (low carb diet for beginners, lose weight, Atkins diet, low carb foods, low carb diet weight loss, low carb food list) Keto Bread Cookbook: Real Low Carb Recipes: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) The Ketogenic Diet Cookbook: Lose 15 Lbs In Two-Weeks With 66 Perfect Low Carb Keto Recipes: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Low Carb: The Ultimate Beginner's Low Carb Guide to Lose Weight Quick without Starving With over 20 Easy Recipes To Follow. (Low Carb, Low Carb Cookbook, ... Diet, Low Carb Recipes, Low Carb Cookbook) Low Carb: Low Calorie Cookbook: 200 High Protein Recipes for Weight Loss, Muscle Building, Healthy Eating and Increased Energy Levels (Low Carb High Protein ... Low Carb Cookbook, Low Carb Diet Book 1) Low Carb: Low Calorie Cookbook: 50 High Protein Recipes Under 500 Calories for Weight Loss, Muscle Building, Healthy Eating & To Increase Energy (Low Carb ... Low Carb Cookbook, Low Carb Diet Book 1) Keto Bread Cookbook : (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Low Sodium Cookbook: Enjoy The Low Sodium Diet With 35 Tasty Low Sodium Recipes (Low Salt Diet) (Low Salt Cooking Book 1) LOW CARB DIET: KETOGENIC DIET: 1000 BEST LOW CARB AND KETOGENIC DIET RECIPES (BOX SET): low carb cookbook, ketogenic diet for beginners, low carb diet for beginners, low carbohydrate diet, ketogenic Low Carb: Don't starve! How to fit into your old jeans in 7 days without starving with a Low Carb & High Protein Diet (low carb cookbook, low carb recipes, low carb cooking) Low Carb: Low Carb, High Fat Diet. The Winning Formula To Lose Weight (Healthy Cooking, Low Carb Diet, Low Carb Recipes, Low Carb Cookbook, Eat Fat, Ketogenic Diet) Foundations of Analog and Digital Electronic Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) Blinded by the (New) Light: My Personal Journey from High School Dropout to Attorney Confessions of a Greenpeace Dropout: The Making of a Sensible Environmentalist

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)