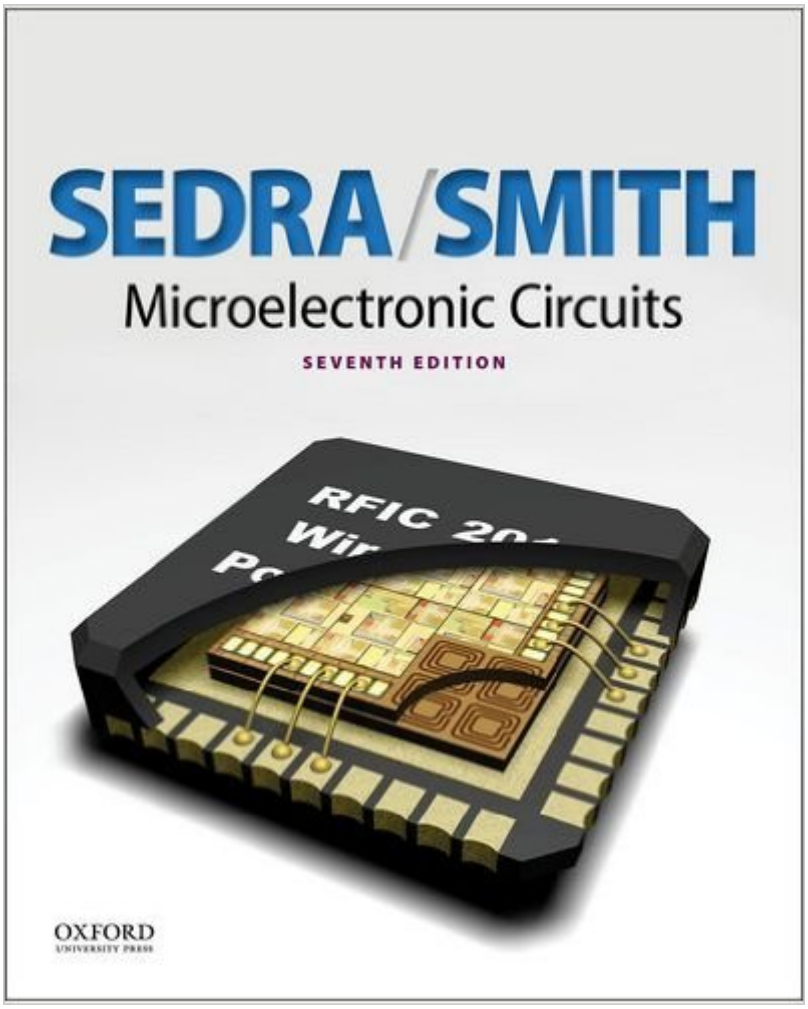
Microelectronic Circuits (The Oxford Series In Electrical And Computer Engineering) 7th Edition



Synopsis

This market-leading textbook remains the standard of excellence and innovation. Built on Adel S. Sedra’s and Kenneth C. Smith’s solid pedagogical foundation, the seventh edition of Microelectronic Circuits is the best yet. In addition to updated content and coverage designed to reflect changes in IC technology, the text also provides the most comprehensive, flexible, accurate, and design-oriented treatment of electronic circuits available today. Amply illustrated by a wealth of examples and complemented by an expanded number of well-designed end-of-chapter problems and practice exercises, Microelectronic Circuits is the most current resource available for teaching tomorrow’s engineers how to analyze and design electronic circuits.

Book Information

Series: The Oxford Series in Electrical and Computer Engineering
Hardcover: 1488 pages
Publisher: Oxford University Press; 7 edition (November 14, 2014)
Language: English
ISBN-10: 0199339139
ISBN-13: 978-0199339136
Product Dimensions: 10.1 x 2.2 x 8.4 inches
Shipping Weight: 6.1 pounds (View shipping rates and policies)
Average Customer Review: 4.5 out of 5 starsÂ Â See all reviewsÂ (19 customer reviews)
Best Sellers Rank: #14,616 in Books (See Top 100 in Books) #5 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Microelectronics #7 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits #2007 inÂ Books > Textbooks

Customer Reviews

I have also used the previous version of this book. The main difference between the 6th and 7th edition is the reorganization of topics and updated problems based on current technology. Some topics have been rewritten entirely. Now coming to the book it self, It needs no introduction. If you are new to electronics, this is the first book I would recommend. It starts from the very basics of the devices and goes to the designing of integrated circuits. In this edition the authors have focused on integrated circuits rather than discrete component circuits. I would definitely recommend it for any one starting out with analog/digital electronics. The other books which have studied so far, throws me out something, or some equations out of no where without any reasoning or explanation which

will be difficult to comprehend without much details. Until now, I have never encountered any such difficulties in this edition. All the concepts and equations have been explained without any logical flaws. The problem set is very good, but the answers has not yet been updated in the website.

This book is very helpful. Not much different from the 6th edition. So if you're looking for this book but cheaper, you might as well go for the 6th edition. They are practically the same except there is an extra chapter in the 7th edition. The example problems are rather straight forward but they're not very good for independent practice or studying for a test. One thing I really don't like doing is having to flip back and forth to multiple pages trying to see what figure they're referring to. For an example, you read something four pages later and it says, "If you refer to Figure 8.2.2b, blah blah blah." It's pretty lazy but nothing could be really done because this book is huge as it is.Some of the chapters take ages to finish. I believe once you hit the introduction to BJTs and MOSFETs, the chapters take a good fraction of the book. It's crazy. But I digress. This book is really good for school or for reference.

Excellent book; terrible binding. Pages were very thin and had a tendency to get folded and creased on their own. This edition underwent a major restructuring, particularly the lengthy transistor sections got broken up and parts moved to other chapters. The majority of the content still exists, but it may not be where it was in previous (e.g. 6th edition)

It's a wonderful textbook. I just wish that there was a paperback version or that it isn't so expensive. There is no difference, at least for me, in saving money Buying-Now vs. Renting-Then-Buying when I wanted to keep a copy of the textbook.

good book on electronic circuits

Well written book with very good examples and exercises to workout

Arrived sooner than expected. Very happy

It was exactly how the person described.

Microelectronic Circuits Revised Edition (Oxford Series in Electrical and Computer Engineering) Laboratory Explorations to Accompany Microelectronic Circuits (The Oxford Series in Electrical and Computer Engineering) The Science and Engineering of Microelectronic Fabrication (The Oxford Series in Electrical and Computer Engineering) Low-Voltage/Low-Power Integrated Circuits and Systems: Low-Voltage Mixed-Signal Circuits (IEEE Press Series on Microelectronic Systems) Microelectronic Circuit Analysis and Design (Electrical and Computer Engineering) Computer Architecture: From Microprocessors to Supercomputers (The Oxford Series in Electrical and Computer Engineering) Fabrication Engineering at the Micro- and Nanoscale (The Oxford Series in Electrical and Computer Engineering) Design With Operational Amplifiers And Analog Integrated Circuits (McGraw-Hill Series in Electrical and Computer Engineering) High-Performance System Design: Circuits and Logic (IEEE Press Series on Microelectronic Systems) Operation and Modeling of the MOS Transistor: Special MOOC Edition (The Oxford Series in Electrical and Computer Engineering) Design of Analog Filters 2nd Edition (The Oxford Series in Electrical and Computer Engineering) Linear System Theory and Design (The Oxford Series in Electrical and Computer Engineering) Modern Digital and Analog Communication Systems (The Oxford Series in Electrical and Computer Engineering) An Introduction to Mixed-Signal IC Test and Measurement (Oxford Series in Electrical and Computer Engineering (Hardco) Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) Operation and Modeling of the MOS Transistor (The Oxford Series in Electrical and Computer Engineering) Photonics: Optical Electronics in Modern Communications (The Oxford Series in Electrical and Computer Engineering) Digital Control Systems (The Oxford Series in Electrical and Computer Engineering) CMOS Analog Circuit Design (The Oxford Series in Electrical and Computer Engineering)