



DOWNLOAD



Design, Simulation and Applications of Inductors and Transformers for Si RF ICs (Paperback)

By Ali M. Niknejad, Robert G. Meyer

Springer-Verlag New York Inc., United States, 2013. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The modern wireless communication industry has put great demands on circuit designers for smaller, cheaper transceivers in the gigahertz frequency range. One tool which has assisted designers in satisfying these requirements is the use of on-chip inductive elements (inductors and transformers) in silicon (Si) radio-frequency (RF) integrated circuits (ICs). These elements allow greatly improved levels of performance in Si monolithic low-noise amplifiers, power amplifiers, up-conversion and down-conversion mixers and local oscillators. Inductors can be used to improve the intermodulation distortion performance and noise figure of small-signal amplifiers and mixers. In addition, the gain of amplifier stages can be enhanced and the realization of low-cost on-chip local oscillators with good phase noise characteristics is made feasible. In order to reap these benefits, it is essential that the IC designer be able to predict and optimize the characteristics of on-chip inductive elements. Accurate knowledge of inductance values, quality factor (Q) and the influence of adjacent elements (on-chip proximity effects) and substrate losses is essential. In this book the analysis, modeling and application of on-chip inductive elements is considered. Using analyses based on Maxwells...



READ ONLINE

[4.69 MB]

Reviews

Great e-book and helpful one. It usually fails to cost an excessive amount of. I discovered this publication from my dad and i encouraged this pdf to find out.

-- **Meagan Beahan**

Unquestionably, this is actually the very best work by any article writer. It usually does not price a lot of. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Augustine Pfannerstill**

Other Kindle Books



Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Jo Ann Brewer ISBN: 9780205491452

2011. Softcover. Book Condition: New. 6th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional...



Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Brewer, Jo Ann

CRAM101, United States, 2013. Paperback. Book Condition: New. 279 x 210 mm. Language: English . Brand New Book ***** Print on Demand *****.Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives...



Creative Kids Preschool Arts and Crafts by Grace Jasmine 1997 Paperback New Edition Teachers Edition of Textbook

Book Condition: Brand New. Book Condition: Brand New.



Projects for Baby Made with the Knook[Trademark]: Sweet Creations Made with Light Weight Yarns!

Leisure Arts Inc. Book. Book Condition: new. BRANDNEW, Projects for Baby Made with the Knook[Trademark]: Sweet Creations Made with Light Weight Yarns!, Karen Ratto-Whooley, This title features baby hats, jumpers and blankets to knit with your choice of the Knook[trademark] or...