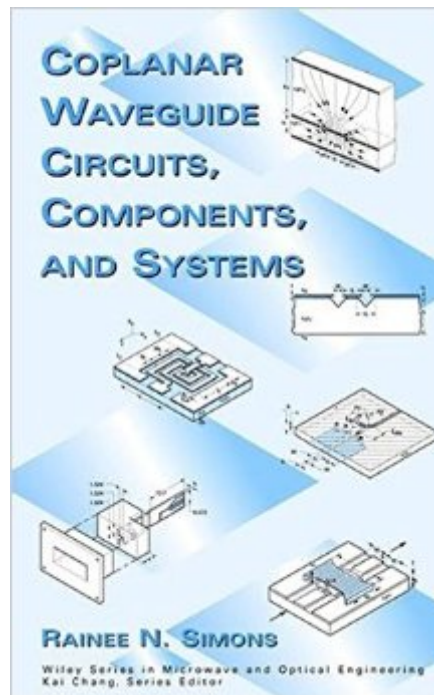


The book was found

Coplanar Waveguide Circuits, Components, And Systems



Synopsis

Up-to-date coverage of the analysis and applications of coplanar waveguides to microwave circuits and antennas The unique feature of coplanar waveguides, as opposed to more conventional waveguides, is their uniplanar construction, in which all of the conductors are aligned on the same side of the substrate. This feature simplifies manufacturing and allows faster and less expensive characterization using on-wafer techniques. Coplanar Waveguide Circuits, Components, and Systems is an engineer's complete resource, collecting all of the available data on the subject. Rainee Simons thoroughly discusses propagation parameters for conventional coplanar waveguides and includes valuable details such as the derivation of the fundamental equations, physical explanations, and numerical examples. Coverage also includes: Discontinuities and circuit elements Transitions to other transmission media Directional couplers, hybrids, and magic T Microelectromechanical systems based switches and phase shifters Tunable devices using ferroelectric materials Photonic bandgap structures Printed circuit antennas

Book Information

Hardcover: 464 pages

Publisher: Wiley-IEEE Press; 1 edition (April 6, 2001)

Language: English

ISBN-10: 0471161217

ISBN-13: 978-0471161219

Product Dimensions: 6.3 x 1.4 x 9.3 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,712,063 in Books (See Top 100 in Books) #213 in Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Microwaves #8454 in Books > Engineering & Transportation > Engineering > Electrical & Electronics #325081 in Books > Textbooks

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

Coplanar Waveguide Circuits, Components, and Systems Advances in 3D Integrated Circuits and Systems (Series on Emerging Technologies in Circuits and Systems) Design of 3D Integrated Circuits and Systems (Devices, Circuits, and Systems) Low-Voltage/Low-Power Integrated Circuits and Systems: Low-Voltage Mixed-Signal Circuits (IEEE Press Series on Microelectronic Systems) Principles of Transistor Circuits, Eighth Edition: Introduction and guide to the design of amplifiers,

function generators, receivers and digital circuits Electronic Circuits: The Definitive Guide to Circuit Boards, Testing Circuits and Electricity Principles Introduction to Embedded Systems: Using ANSI C and the Arduino Development Environment (Synthesis Lectures on Digital Circuits and Systems) Real-Time Embedded Components and Systems with Linux and RTOS (Engineering) Real-Time Embedded Components And Systems: With Linux and RTOS Nuclear Power Plant Reactor Training Manual: Boiling Water Reactor (BWR) Design at Japan TEPCO Fukushima Plant and U.S. Plants - Comprehensive Technical Data on Systems, Components, and Operations Modern Control Technology: Components and Systems RF Design Guide Systems, Circuits and Equations (Artech House Antennas and Propagation Library) Evolutionary Electronics: Automatic Design of Electronic Circuits and Systems by Genetic Algorithms (International Series on Computational Intelligence) Ultra-Low Voltage Nano-Scale Memories (Integrated Circuits and Systems) Embedded Memories for Nano-Scale VLSIs (Integrated Circuits and Systems) CMOS VLSI Design: A Circuits and Systems Perspective (3rd Edition) CMOS VLSI Design: A Circuits and Systems Perspective Radio Frequency Integrated Circuits and Systems Circuit Analysis with Multisim (Synthesis Lectures on Digital Circuits and Systems) High-Performance System Design: Circuits and Logic (IEEE Press Series on Microelectronic Systems)

[Dmca](#)