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(Mrs. Winifred Fritsch)

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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pages Number: 431 Publisher: Electronic Industry Pub. Date :2004-06-01. This book analyzes the common low-frequency circuits and components while increasing the operating frequency band to radio frequency (usually 30 MHz ~ 4 GHz) and the difficulties encountered when solution. and focused on the TEM (transverse electromagnetic) wave with a microstrip transmission characteristics and a variety of RF devices made of principles and methods. In the arrangement of contents. the book seeks to make the system not yet studied electromagnetic theory of electronic engineering technology students and academic personnel to understand and master the basic RF circuit design methods and principles. The book is divided into 10 chapters. the first four chapters introduce the RF transmission characteristics. the basic principles of transmission lines and RF and microwave analysis tools as the Smith Chart. the network parameters and signal flow diagram; chapter of six passive and active RF components (including: filter. matching network. high-frequency semiconductor devices. amplifiers. mixers. and oscillators) of the principles of analysis and design methods. The book lists a number of examples of practical application value. and greater length on their solution method. The authors also use MATLAB mathematical tools to develop a considerable amount of content included with the book and topics related to modeling or problem-solving software for readers to use. This book can serve as a communication. electronic textbooks or reference books student discipline. For now in the communications. computer and microelectronics and other fields in the RF and microwave circuit design engineers. this is a good reference book. Contents: Chapter 1 Introduction 1.1 1.2 The importance of RF design and unit dimensionless spectrum 1.4 1.3 RF characteristics of passive components. chip components 1.5...



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