



## Microwave Active Circuit Analysis and Design (Hardback)

By Clive Poole, Dr. Izzat Darwazeh

Elsevier Science Publishing Co Inc, United States, 2015. Hardback. Condition: New. Language: English . Brand New Book. This book teaches the skills and knowledge required by today s RF and microwave engineer in a concise, structured and systematic way. Reflecting modern developments in the field, this book focuses on active circuit design covering the latest devices and design techniques. From electromagnetic and transmission line theory and S-parameters through to amplifier and oscillator design, techniques for low noise and broadband design; This book focuses on analysis and design including up to date material on MMIC design techniques. With this book you will: Learn the basics of RF and microwave circuit analysis and design, with an emphasis on active circuits, and become familiar with the operating principles of the most common active system building blocks such as amplifiers, oscillators and mixersBe able to design transistor-based amplifiers, oscillators and mixers by means of basic design methodologiesBe able to apply established graphical design tools, such as the Smith chart and feedback mappings, to the design RF and microwave active circuits Acquire a set of basic design skills and useful tools that can be employed without recourse to complex computer aided design.

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