

# Practical RF Circuit Design for Modern Wireless Systems, Volume I: Passive Circuits and Systems

By Les Besser





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The first of a two-volume set, this leading-edge book takes a practical approach to RF circuit design, offering a complete understanding of the fundamental concepts you need to know and use for your work in this industry. The book lays the ground work for efficient RF circuit design in a step-by-step approach, by defining important principles and parameters and progressively introducing critical analytical tools. It helps you distinguish between RF and low frequency circuits, and offers a detailed look at a typical RF system. This is a tested and insightful book that contains answers to most of the questions practical engineers are asking. The first volume reviews various computer-aided simulation, synthesis, and optimization techniques used in modern RF and microwave design, and discusses the practical use of the graphical design tools, such as the Smith Chart.



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## Practical RF Circuit Design for Modern Wireless Systems, Volume I: Passive Circuits and Systems By Les Besser Bibliography

Sales Rank: #1892045 in Books
Published on: 2003-10-31
Released on: 2003-08-31
Original language: English

• Number of items: 1

• Dimensions: 10.00" h x 1.30" w x 7.00" l, 2.99 pounds

• Binding: Hardcover

• 566 pages

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#### **Editorial Review**

About the Author

Les Besser is chairman of Besser Associates, a continuing education organization. A Life Fellow of the IEEE where he held various offices and received awards and recognition for past accomplishments. He holds Ph.D., M.S. and B.S. in EE. Dr. Besser authored the first commercially successful microwave circuit optimization routine and founded Compact Software (now part of Ansoft), a pioneer group in RF/MW CAE. A "Master Lecturer," he is currently heading an organization dedicated to continuing education through instructor-led and Internet-based short courses, CD- and video-taped presentations.

His company has trained nearly 50,000 engineers since the mid 1980s.

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