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Microwave Circuit Design is a complete guide to modern circuit design, including simulation tutorials that demonstrate Keysight Technologies' Advanced Design System (ADS), one of today's most widely used electronic design automation packages. And the software-based circuit design techniques that Yeom presents can be easily adapted for any modern tool or environment.

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This book was last updated in June 2020. The second edition of Fundamentals of RF and Microwave Circuit Design explores more aspects of this field in an easy to understand manner that is combined with practical examples and applications with the aid of open source software. Many improvements have also been incorporated in this edition.

Fundamentals of RF and Microwave Circuit Design: Practical ...

Microwave circuit design : a practical approach using ADS /
Kyung-Whan Yeom. pages cm Includes index. ISBN
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Microwave Circuit Design

The essential concepts of active microwave circuit designs are presented clearly and concisely, with practical design examples including low noise amplifiers (LNA), power amplifiers (PA), microwave oscillator, phase locked loop (PLL), and mixers. Students will master practical skills for creating schematics and EM simulations, drawing and generating layouts, and verifying circuit designs.

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6 RF and Microwave Circuit Design Figure 4-2 Input impedance

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showing the resonance frequency at $\omega = 1/\sqrt{LC}$ The input impedance of the series RLC resonant circuit is given by, $Z = R + j\omega L - j/\omega C$ where, $\omega = 2\pi f$ is the angular frequency in radian per second.

RF and Microwave Circuit Design - Keysight

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