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Autore	Pryor Roger W
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Descrizione fisica	1 online resource (150 p.)
Collana	Multiphysics modeling series RF module
Disciplina	621.3841/2
Soggetti	Microwave circuits - Design and construction Wave guides Electrical & Computer Engineering Engineering & Applied Sciences Electrical Engineering
Lingua di pubblicazione	Inglese
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Nota di contenuto	Frontmatter -- Contents -- Preface -- Introduction -- Chapter 1. Modeling Methodology Using COMSOL 4.x -- Chapter 2. Applicable RF Theory -- Chapter 3. Designing the Three Stub Tuner Model -- Chapter 4. Building the Three Stub Tuner Model Using the RF Module in COMSOL Multiphysics 4.x -- Chapter 5. Three Stub Tuner Model Results -- Chapter 6. Three Stub Tuner Model VSWR Calculations -- Chapter 7. Conclusions from the Three Stub Tuner Model -- Chapter 8. First Variation on the Three Stub Tuner Model -- Chapter 9. Second Variation on the Three Stub Tuner Model -- Chapter 10. Third Variation on the Three Stub Tuner Model -- Chapter 11. Conclusions: Three Stub Tuner Model Plus Variations -- References -- Index
Sommario/riassunto	Designed for engineers from the fields of mechanical, electrical and civil disciplines, this book presents the reader with a solved problem that utilizes the RF Module. This model is based on RF multiphysics modeling and employs the use of physics first principles for the solution of this difficult problem. It introduces the user to the advanced numerical analysis modeling techniques employed in the COMSOL Multiphysics software Version 4.x. Includes a DVD with models and

code.

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