- Preface
- Chapter 1 Introduction: RF MEMS for Microwave Applications
- Chapter 2 Mechanical Modeling of MEMS Devices: Static Analysis
- Chapter 3 Mechanical Modeling of MEMS Devices: Dynamic Analysis
- Chapter 4 Electromagnetic Modeling of MEMS Switches
- Chapter 5 MEMS Switch Library
- Chapter 6 MEMS Switch Fabrication and Packaging
- Chapter 7 MEMS Switch Reliability and Power Handling
- Chapter 8 Design of MEMS Switch Circuits
- Chapter 9 MEMS Phase Shifters
- Chapter 10 Distributed MEMS Phase Shifters and Switches
- Chapter 11 MEMS Varactors and Tunable Oscillators
- Chapter 12 Micro machined Inductors
- Chapter 13 Reconfigurable MEMS Networks, Filters, Antennas, and Subsystem
- Chapter 14 Phase Noise Analysis of MEMS Circuits, Phase Shifters, and Oscillators
- Chapter 15 Future Work in RF MEMS
- Appendix A Detailed Analysis and Measurements of Intermodulation Distortion and Power Handling in RF MEMS Switches, Varactors, and Tunable Filters
- Appendix B Mechanical, Electrical, and Thermal Properties of RF MEMS Materials
- Index