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| ISBN                    | 1-58053-557-7  |
| Descrizione fisica      | 1 online resource (279 p.)   |
| Collana                 | MEMS--Microelectromechanical systems series  |
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| Soggetti                | Wireless communication systems - Equipment and supplies<br>Radio circuits<br>Microelectromechanical systems<br>Electronic books.   |
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| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
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| Nota di contenuto       | RF MEMS Circuit Design for Wireless Communications; Contents vii; Preface xiii; Acknowledgments xvii; 1 Wireless Systems--A Circuits Perspective 1; 2 Elements of RF Circuit Design 19; 3 RF MEMS-Enabled Circuit Elements and Models 51; 4 Novel RF MEMS-Enabled Circuits 115; 5 RF MEMS-Based Circuit Design--Case Studies 145; Appendix A: GSM Radio Transmission and Reception Specifications 205; List of Acronyms 245; About the Author 249; Index 251   |
| Sommario/riassunto      | This is the first comprehensive book to address the design of RF MEMS-based circuits for use in high performance wireless systems. A groundbreaking research and reference tool, the book enables you to understand the realm of applications of RF MEMS technology; become knowledgeable of the wide variety and performance levels of RF MEMS devices; and partition the architecture of wireless systems to achieve greater levels of performance. This innovative resource also guides you through the design process of RF MEMS-based circuits, and establishes a practical knowledge base for the design of high-yield RF MEMS-based circuits. |