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Power Transistor Characteristics; Transistor Biasing; RF Semiconductor Devices; Power Amplifier Design; Matching to Coaxial Feedlines; Automatic Shutdown Circuitry; Broadband Transformers; Practical Winding Hints; Summary; CHAPTER 8 RF Front-End Design; Higher Levels of Integration; Basic Receiver Architectures; ADC'S Effect on Front-End Design; Software Defined Radios; Case Study-Modern Communication Receiver; CHAPTER 9 RF Design Tools; Design Tool Basics

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Sommario/riassunto

It's Back! New chapters, examples, and insights; all infused with the timeless concepts and theories that have helped RF engineers for the past 25 years!RF circuit design is now more important than ever as we find ourselves in an increasingly wireless world. Radio is the backbone of today's wireless industry with protocols such as Bluetooth, Wi-Fi, WiMax, and ZigBee. Most, if not all, mobile devices have an RF component and this book tells the reader how to design and integrate that component in a very practical fashion. This book has been updated to include today's integrated c

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