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Nota di contenuto	Substrate Noise Coupling in Analog/RF Circuits; Contents; Foreword; Preface; Acknowledgments; Chapter 1 Introduction; Chapter 2 Substrate Noise Propagation; Chapter 3 Passive Isolation Structures; Chapter 4 Noise Coupling in Active Devices; Chapter 5 Measuring the Coupling Mechanisms in Analog/RF Circuits; Chapter 6 The Prediction of the Impact of Substrate Noise on Analog/RF Circuits; Chapter 7 Noise Coupling in Analog/RF Systems; Appendix A Narrowband Frequency Modulation of LC Tank VCOs; Appendix B Port Conditions; List of Acronyms; About the Authors; Index; Color insert.
Sommario/riassunto	This book presents case studies to illustrate that careful modeling of the assembly characteristics and layout details is required to bring simulations and measurements into agreement. Engineers learn how to use a proper combination of isolation structures and circuit techniques to make analog/RF circuits more immune to substrate noise. Topics include substrate noise propagation, passive isolation structures, noise couple in active devices, measuring the coupling mechanisms in analog/RF circuits, prediction of the impact of substrate noise on analog/RF circuits, and noise coupling in analog/RF systems.

