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Nota di contenuto	Microwave Mixer Technology and Applications; Contents; PREFACE; Chapter 1 Origins of Electronic Mixers; 1.1 HISTORY OF RADIO DEVELOPMENT; 1.1.1 Heterodyne Concept; 1.1.2 Regenerative Receiver; 1.1.3 Super-Regenerative Receiver; 1.1.4 Super-Heterodyne Concept; 1.1.5 Continuous Wave Receiver; 1.1.6 Frequency Modulated Transceiver; 1.2 SINGLE ENDED CIRCUITS; 1.2.1 Bridge Combiner Applied to Mixer; 1.2.2 UHF Triode Converter; 1.2.3 Noise Reduction Technique; 1.2.4 Cascode Mixer-Amplifier; 1.2.5 Frequency Translator Circuit; 1.3 SINGLY BALANCED MIXERS; 1.3.1 An Ultra-High Frequency Mixer. 1.3.2 Differential Mixer 1.3.3 Push-Push/Push-Pull Operation; 1.3.4 Bifilar Line Mixer; 1.4 DOUBLY BALANCED STAR CIRCUIT; 1.5 SPECIAL RECEIVER ARCHITECTURES; 1.5.1 SSB Concept; 1.5.2 Image Reject Circuit; 1.5.3 TV Receivers; 1.6 HARMONIC MIXERS; 1.7 SELF-OSCILLATING BALANCED MIXERS; 1.8 DISTRIBUTED MIXER; 1.9 SUMMARY; REFERENCES; Chapter 2.
Sommario/riassunto	Although microwave mixers play a critical role in wireless communication and other microwave applications employing frequency conversion circuits, engineers find that most books on this subject emphasize theoretical aspects, rather than practical applications. That's about to change with the forthcoming release of Microwave Mixer Technology and Applications. Based on a review of over one thousand patents on mixers and frequency conversion, authors Bert Henderson and Edmar Camargo have written a comprehensive book for mixer

designers who want solid ideas for solving their own design challenges.

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