

1. Record Nr.	UNINA9911110181603321
Titolo	RF and microwave oscillator design / / Micha Odyniec, editor
Pubbl/distr/stampa	Boston, : Artech House, c2002
ISBN	1-58053-768-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (414 p.)
Collana	Artech House microwave library
Altri autori (Persone)	OdyniecMicha
Disciplina	621.384/12
Soggetti	Radio frequency oscillators Oscillators, Microwave
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	RF and Microwave Oscillator Design; Contents v; Preface xi; Acknowledgments xv; 1 Development of Microwave Oscillator Theory 1; 2 Methods of Oscillator Design 15; 3 Linearity, Time Variation, and Oscillator Phase Noise 59; 4 High-Frequency Oscillator Circuit Design 93; 5 Modern Harmonic-Balance Techniques for Oscillator Analysis and Optimization 245; About the Authors 377; Index 383
Sommario/riassunto	This groundbreaking book is the first to present the state of the art in microwave oscillator design with an emphasis on new nonlinear methods. A compilation of pioneering work from experts in the field, it also provides rigorous theory and historical background. Invaluable for professionals at all levels of design expertise, this volume helps you to bridge the gap between design practice and new powerful design methods, learn all aspects of modern oscillator design and review practical designs and experimental results of fixed-frequency, high-Q, low-noise oscillators.