

1. Record Nr.	UNINA9910451041503321
Autore	Irons Fred H.
Titolo	Active filters for integrated-circuit applications // Fred H. Irons
Pubbl/distr/stampa	Boston : , : Artech House, , 2005 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2005]
ISBN	1-58053-897-5
Descrizione fisica	1 online resource (421 p.)
Collana	Artech House microwave library
Disciplina	621.3815/324
Soggetti	Electric filters, Active Integrated circuits - Design and construction Electronic books.
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	Active Filters for Integrated-Circuit Applications; Contents v; Preface ix; Acknowledgments xiii; Chapter 1 Introduction 1; Chapter 2 Review of Circuit Analysis Concepts 15; Chapter 3 Frequency Effects in Feedback Circuits 57; Chapter 4 Some Opamp Design Considerations 81; Chapter 5 Operational Design of Active Filters 153; Chapter 6 Network Sensitivity and Leapfrog Filters 217; Chapter 7 Switched Capacitor Concepts 259; Chapter 8 The Approximation Problem 313; About the Author 403; Index 405.
Sommario/riassunto	Annotation "This book identifies common problem areas, reviews circuit analysis operations, and thoroughly illustrates the concept of feedback. Practitioners and students learn the state variable procedure - a general design approach that is appropriate for a wide range of applications. The book also discusses classic approaches such as cascade and biquad circuits for comparative purposes."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved.