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Autore	Natarajan Dhanasekharan
Titolo	A practical design of lumped, semi-lumped and microwave cavity filters // Dhanasekharan Natarajan
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ISBN	3-642-32861-X
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (145 p.)
Collana	Lecture notes in electrical engineering, , 1876-1100 ; ; v. 183
Disciplina	621.3815324
Soggetti	Electric filters - Design and construction
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	Introduction to RF filters -- RF Filter terms -- Requirements of RF filter -- RF Filter design technologies -- Planning the design of RF filters -- Design of lumped & semi-lumped RF filters -- Design of microwave cavity filters -- Practical expertise for filter design -- Modes of propagation -- Statistical analysis on RF filter characteristics -- Coaxial connectors for RF filters. .
Sommario/riassunto	This book presents the application of microwave literature for designing lumped/semi-lumped filters and combline/iris-coupled microwave cavity filters. It provides the physical understanding of the terms and characteristics of radio frequency (RF) filters. The book complements engineering text books on RF components and provides support for the project assignments of students. In addition to the functional design of RF filters, the integrated design approach for produceability and reliability is explained.