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Collana	Wiley Series in Microwave and Optical Engineering
Altri autori (Persone)	SunSheng <1980-> LiRui <1981->
Disciplina	621.381/3224
Soggetti	Broadband communication systems Ultra-wideband devices
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Transmission line concepts and networks -- Conventional parallel-coupled line filter -- Planar transmission line resonators -- MMR-based UWB bandpass filters -- Synthesis approach for UWB filters -- Other types of UWB filters.
Sommario/riassunto	This book will appeal to scientists and engineers who are concerned with the design of microwave wideband devices and systems. For advanced (ultra)-wideband wireless systems, the necessity and design methodology of wideband filters will be discussed with reference to the inherent limitation in fractional bandwidth of classical bandpass filters. Besides the detailed working principles, a large number of design examples are demonstrated, which can be easily followed and modified by the readers to achieve their own desired specifications. Therefore, this book is of interest not only to students a