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| ISBN | 1-5231-1748-6 1-63081-382-6 |
| Descrizione fisica | 1 online resource (422 pages) : illustrations |
| Collana | Artech House microwave library |
| Disciplina | 621.3813224 |
| Soggetti | Microwave filters Radio filters |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references at the end of each chapters and index. |
| Sommario/riassunto | This authoritative resource presents current practices for the design of RF and microwave filters. This one-stop reference provides readers with essential and practical information in order to design their own filter design software package, ultimately saving time and money. Essential building blocks for each type of filter are presented including network theory, transmission lines, and coupling mechanisms.nThis book presents a detailed discussion of the Low Pass Filter prototype, which is then extended to other configurations such as high pass, band pass, band stop, diplexers, and multiplexers. Microwave Network Theory and Transmission Line Coupling Mechanisms are presented along with a comprehensive discussion of the characteristics of commonly used transmission lines such as waveguides, Striplines, and Microstrip lines. Numerous design examples are presented to demonstrate an inclusive design methodology. |