

Theory and design of microwave filters

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Abstrak

Microwave filters are vital components in a huge variety of electronic systems, including mobile radio, satellite communications and radar. This is a thorough, graduate-level text which provides a single source for filter design including basic circuit theory, network synthesis and the design of a variety of microwave filter structures. The philosophy is to present design theories followed by specific examples with numerical simulations of the designs, with pictures of real devices wherever possible. The book is aimed at designers, engineers and researchers working in microwave electronics who need to design or specify filters.