

Abstracts

Printed-Circuit Complementary Filters for Narrow Bandwidth Multiplexers

R.J. Wenzel. "Printed-Circuit Complementary Filters for Narrow Bandwidth Multiplexers." 1968 Transactions on Microwave Theory and Techniques 16.3 (Mar. 1968 [T-MTT]): 147-157.

Design techniques and interconnection equivalent circuits are presented for constricting low-cost printed-circuit narrowband complementary filters. The techniques and circuits described allow the achievement of contiguous band multiplexers using a single printed circuit board with no series or shorted stubs. Equivalent circuit transformations useful in obtaining practical designs and experimental results for a two-section stripline complementary filter pair are also given. While emphasis is placed on printed-circuit filters, the interconnection circuits and design techniques presented can be applied in the design of narrowband multiplexers using many other filter types.

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