

Abstracts

A Simple Method for Analyzing Fin-Line Structures (Dec. 1978 [T-MTT])

A.M.K. Saad and K. Schunemann. "A Simple Method for Analyzing Fin-Line Structures (Dec. 1978 [T-MTT])." 1978 Transactions on Microwave Theory and Techniques 26.12 (Dec. 1978 [T-MTT] (1978 Symposium Issue)): 1002-1007.

A first-order design theory for fin-line circuits is developed by establishing a correspondence between a fin line and a set of rectangular waveguides. The usefulness of the method is demonstrated by applying it to the analysis of a transition from a fin line to a below-cutoff waveguide. Finally, theoretical and experimental results are given for a bandpass filter, which show a fairly good agreement.

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