

Abstracts

Spectral Domain Analysis of Dominant and Higher Order Modes in Fin-Lines (Sep. 1980 [T-MTT])

L.-P. Schmidt and T. Itoh. "Spectral Domain Analysis of Dominant and Higher Order Modes in Fin-Lines (Sep. 1980 [T-MTT])." 1980 Transactions on Microwave Theory and Techniques 28.9 (Sep. 1980 [T-MTT]): 981-985.

The spectral domain analysis is applied for deriving dispersion characteristics of dominant and higher order modes in fin-line structures. In addition to the propagation constant, the characteristic impedance is calculated based on the power-voltage definition. Numerical results are compared for different choices of basis functions and allow to estimate the accuracy of the solution.

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