

Abstracts

Spectral-Domain Analysis of Scattering from E-Plane Circuit Elements

Q. Zhang and T. Itoh. "Spectral-Domain Analysis of Scattering from E-Plane Circuit Elements." 1987 Transactions on Microwave Theory and Techniques 35.2 (Feb. 1987 [T-MTT]): 138-150.

The spectral-domain method is used for analysis of the scattering characteristics of E-plane circuit components such as nontouching E-plane fins. The method deals with inhomogeneous algebraic equations instead of integral equations. It provides a number of attractive features. Numerical results have been compared with those reported in the literature for special cases. Several data items useful for E-plane configurations are included.

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