

Abstracts

A Rigorous Variational Formulation of an H Plane Slot-Coupled Tee Junction (Short Papers)

B.N. Das, N.V.S.N. Sarma and A. Chakraborty. "A Rigorous Variational Formulation of an H Plane Slot-Coupled Tee Junction (Short Papers)." 1990 Transactions on Microwave Theory and Techniques 38.1 (Jan. 1990 [T-MTT]): 93-95.

The paper presents a rigorous analysis for the determination of an exact equivalent network for the slot-coupled H plane Tee junction, taking the effect of wall thickness into account. A variational formulation is used for the determination of the parameters of the network. The parameters of the S matrix as well as coupling are evaluated from the exact equivalent network. Comparisons between theoretical and experimental results wherever available are presented.

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