

Abstracts

Microstripline-Slotline Transition Analysis Using the Spectral Domain Technique

Y.M.M. Antar, A.K. Bhattacharyya and A. Ittipiboon. "Microstripline-Slotline Transition Analysis Using the Spectral Domain Technique." 1992 Transactions on Microwave Theory and Techniques 40.3 (Mar. 1992 [T-MTT]): 515-523.

A spectral domain analysis of microstripline-slot-line transition is presented. The equivalent circuit of transition is obtained. Elements of the equivalent circuit are determined from the residue theorem. The reflection loss of the transition is determined using the present theory and is found to agree with the experimental data.

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