

Abstracts

Variational Solutions to E-Plane Bilateral Septum in Waveguide

T.Q. Ho, Y.C. Shih and V. Pham. "Variational Solutions to E-Plane Bilateral Septum in Waveguide." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 689-691.

The variational technique has been extended to the study of the E-plane touching and nontouching bilateral septum in waveguide. Computed data using the developed equations show good agreement with the experimental data. Closed form expressions of input admittance and equivalent circuit are obtained and can be directly used in practice to design E-plane circuits.

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