

Abstracts

Moment Method Formulation of Thick Diaphragms in a Rectangular Waveguide (Short Papers)

A. Datta, B.N. Das and A. Chakraborty. "Moment Method Formulation of Thick Diaphragms in a Rectangular Waveguide (Short Papers)." 1992 *Transactions on Microwave Theory and Techniques* 40.3 (Mar. 1992 [T-MTT]): 592-595.

The paper presents a method of determination of the electrical characteristics of two thick apertures in a rectangular wave-guide. The coupled integral equations resulting from the boundary condition of the magnetic field at the four interfaces are transformed into matrix equations using method of moments. The numerical data on reflection and transmission coefficients are evaluated. Comparison between theoretical and experimental results is presented.

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