

Abstracts

Modes in Anisotropic Rectangular Waveguides: An Accurate and Simple Perturbation Approach (Short Papers)

A. Kumar, M.R. Shenoy and K. Thyagarajan. "Modes in Anisotropic Rectangular Waveguides: An Accurate and Simple Perturbation Approach (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.10 (Oct. 1984 [T-MTT]): 1415-1418.

We present a simple and accurate perturbation method for obtaining the propagation characteristics of anisotropic rectangular waveguides described by a diagonal dielectric constant tensor. Comparison with the results of finite-element technique shows an excellent agreement.

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