

Abstracts

Numerical Analysis of a Dielectric-Loaded Waveguide with a Microstrip Line-Finite-Difference Methods

J.S. Hornsby and A. Gopinath. "Numerical Analysis of a Dielectric-Loaded Waveguide with a Microstrip Line-Finite-Difference Methods." 1969 Transactions on Microwave Theory and Techniques 17.9 (Sep. 1969 [T-MTT]): 684-690.

A finite-difference technique is used to evaluate the dispersion of a dielectric-loaded waveguide with a symmetrically placed microstrip line. The magnetic field is also obtained. The results presented are for the fundamental even $E_{z\text{-odd}}$ mode.

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