

Abstracts

Beam Propagation Method Applied to a Step Discontinuity in Dielectric Planar Waveguides (Short Papers)

L.R. Gomaa. "Beam Propagation Method Applied to a Step Discontinuity in Dielectric Planar Waveguides (Short Papers)." 1988 Transactions on Microwave Theory and Techniques 36.4 (Apr. 1988 [T-MTT]): 791-792.

The power transmission and loss at an abrupt discontinuity in planar guides are calculated numerically using the beam propagation method (BPM) for the TE modes. Discontinuities include changes in core thickness and refractive index. Symmetric and asymmetric waveguides are considered. Comparison of results with those obtained by other techniques shows a general agreement.

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