

Abstracts

An Accurate Analysis of Discontinuities in Dielectric Rectangular Waveguide and its Application to Grating Filters

M. Tsuji and H. Shigesawa. "An Accurate Analysis of Discontinuities in Dielectric Rectangular Waveguide and its Application to Grating Filters." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 785-788.

An accurate theoretical approach for discontinuity problems in dielectric 3-D (rectangular) waveguides of open type is presented. This approach takes account of the behavior of both surface wave modes and continuous spectral waves. and is successfully applied to design dielectric image guide grating filters. Comparative data are also shown.

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