

Abstracts

The Exact Numerical Evaluation of the Complex Dielectric Constant of a Dielectric Partially Filling a Waveguide (Letters)

P.I. Somlo. "The Exact Numerical Evaluation of the Complex Dielectric Constant of a Dielectric Partially Filling a Waveguide (Letters)." 1974 Transactions on Microwave Theory and Techniques 22.4 (Apr. 1974 [T-MTT]): 468-469.

The simultaneous, complex, transcendental equations linking the dielectric constant of a slab partially filling a rectangular waveguide, and the propagation constant of the composite guide have been solved by iteration. Typical results of $\epsilon = f(\gamma)$ are presented.

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