

Abstracts

Effective Cross-Sections for Dielectric Waveguides in Substrate Environments

E.F. Kuester. "Effective Cross-Sections for Dielectric Waveguides in Substrate Environments." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 117-118.

The use of an effective cross-section for determining the propagation constants of modes of dielectric waveguides embedded in substrates is illustrated. The resulting expressions are simple, and involve knowledge only of the TM-mode eigenvalues for a similarly shaped hollow waveguide.

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