

Abstracts

H Guide with Laminated Dielectric Slab

F.J. Tischer. "H Guide with Laminated Dielectric Slab." 1970 Transactions on Microwave Theory and Techniques 18.1 (Jan. 1970 [T-MTT]): 9-15.

A consideration of the field distribution and the characteristics of an H guide with a laminated dielectric bar composed of an arbitrary number of dielectric strips separated by air layers is presented. Low-loss wave modes with the electric field intensity predominantly parallel to the sidewalls are analyzed. Approximate thin-layer equations are derived which indicate methods for improvements of the attenuation of the H guide.

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