Abstracts

Attenuation Characteristics of Hollow Conducting Elliptical Waveguides

J.G. Kretzschmar. "Attenuation Characteristics of Hollow Conducting Elliptical Waveguides." 1972 Transactions on Microwave Theory and Techniques 20.4 (Apr. 1972 [T-MTT]): 280-284.

The first-order perturbation formula is used to obtain the attenuation factor of different TE and TM modes in hollow conducting elliptical waveguides. Normalized attenuation charts give the attenuation factor for almost each possible combination of cross-sectional dimensions, nonmagnetic wall material, and frequency of operation.

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