Abstracts

A Rigorous Analysis of the Higher Order Modes and Attenuation of Stripline of Arbitrary Dimensions

M.H. Burchett, S.R. Pennock and P.R. Shepherd. "A Rigorous Analysis of the Higher Order Modes and Attenuation of Stripline of Arbitrary Dimensions." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1451-1454.

This paper presents a rigorous and computationally efficient analysis for stripline of arbitrary dimensions based on the Transverse Resonance Diffraction technique. Calculated higher order mode cutoff frequencies show excellent agreement, and attenuation factor shows good agreement with measured values, and are more accurate than predictions from numerical or analytical techniques.

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