

Abstracts

Losses in GaAs Microstrip and Coplanar Waveguide

M. Zhang, C. Wu, K. Wu and J. Litva. "Losses in GaAs Microstrip and Coplanar Waveguide." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 971-974.

The finite-difference transmission line matrix (FD-TLM) method is applied to loss analysis for microstrip and coplanar waveguide (CPW). A feature of FD-TLM with a variable mesh size is adopted in this loss analysis. The analysis is validated through comparison with a frequency domain method. The numerical results provide a clear picture of frequency dependence of losses up to 10GHz for microstrip and coplanar waveguide.

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