

Abstracts

Dispersion and Leakage Characteristics of Coplanar Waveguides (Short Papers)

J.-Y. Ke, I.-S. Tsai and C.H. Chen. "Dispersion and Leakage Characteristics of Coplanar Waveguides (Short Papers)." 1992 Transactions on Microwave Theory and Techniques 40.10 (Oct. 1992 [T-MTT]): 1970-1973.

The spectral-domain approach is utilized to discuss the dispersion and leakage phenomenon in a coplanar waveguide structure caused by the substrate surface wave. In this study, the effective dielectric constant and the attenuation constant due to surface wave leakage are presented and discussed in detail.

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