

Abstracts

Coplanar-waveguide dispersion characteristics including anisotropic substrates

Chung Jen Hsu. "Coplanar-waveguide dispersion characteristics including anisotropic substrates." 2001 *Transactions on Microwave Theory and Techniques* 49.2 (Feb. 2001 [T-MTT]): 362-368.

An efficient iterative method, based on potential theory, is developed to solve coplanar-waveguide (CPW) dispersion characteristics. In this method, a conformal mapping technique is used to derive the new general expressions for the charge and current sources applicable to both microstrip lines and CPWs. Excellent accuracy for the dispersion results obtained by this method is observed.

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