

Abstracts

Boundary Element Characterization of Coplanar Waveguides

T.-K. Lee, H. Ling and T. Itoh. "Boundary Element Characterization of Coplanar Waveguides." 1991 Microwave and Guided Wave Letters 1.12 (Dec. 1991 [MGWL]): 385-387.

The quasi-static capacitance and inductance of the coplanar waveguide (CPW) are characterized independently using the boundary element method (BEM). The inductance calculation utilizes the magnetic scalar potential and avoids the usual vector formulation. The proposed method can be easily extended to characterize three-dimensional problems such as CPW discontinuities.

[Return to main document.](#)