

Abstracts

Characteristics of coplanar transmission lines on multilayer substrates: modeling and experiments

E. Chen and S. Y. Chou. "Characteristics of coplanar transmission lines on multilayer substrates: modeling and experiments." 1997 Transactions on Microwave Theory and Techniques 45.6 (Jun. 1997 [T-MTT]): 939-945.

Characteristics of coplanar transmission lines on multilayer substrates expressed in analytic formulas have been obtained using conformal mapping. The accuracy of these formulas has been verified experimentally on a variety of coplanar transmission lines using differential electro-optic (DEOS) sampling. For coplanar waveguides, the theory differs from the experiment by less than 3%; for coplanar striplines, the differences are less than 6%.

[Return to main document.](#)