

Abstracts

Accurate Transmission Line Characterization

*D.F. Williams and R.B. Marks. "Accurate Transmission Line Characterization." 1993 *Microwave and Guided Wave Letters* 3.8 (Aug. 1993 [MGWL]): 247-249.*

This letter introduces a new method for the characterization of transmission lines fabricated on lossy or dispersive dielectrics. The method, which is more accurate than conventional techniques, is used to examine the resistance, inductance, capacitance, and conductance per unit length of coplanar waveguide transmission lines fabricated on lossy silicon substrates.

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