Abstracts

A Simple Method for Characterizing Planar Transmission Line Discontinuities on Dissipative Substrates (Small Papers)

T.G. Livernois and P.B. Katehi. "A Simple Method for Characterizing Planar Transmission Line Discontinuities on Dissipative Substrates (Small Papers)." 1991 Transactions on Microwave Theory and Techniques 39.2 (Feb. 1991 [T-MTT]): 368-370.

A simple, least-squares sum curve fitting technique is presented which accurately models surface currents on planar transmission lines. This approach is useful for characterizing discontinuities occurring in MIC's fabricated on dissipative substrates. Numerical results for the microstrip open end on a lossy GaAs substrate are given.

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