

Abstracts

Lumped Capacitance and Open End Effects of Striplike Structures in Multilayered and Anisotropic Substrates

R.R. Boix and M. Horno. "Lumped Capacitance and Open End Effects of Striplike Structures in Multilayered and Anisotropic Substrates." 1989 Transactions on Microwave Theory and Techniques 37.10 (Oct. 1989 [T-MTT]): 1523-1528.

Variational techniques in the spectral domain are used to calculate the lumped capacitance of a rectangular patch embedded in an arbitrary multilayered anisotropic substrate in a very accurate way. The results obtained are applied to the determination of the quasi-static edge capacitance of semi-infinite striplines and microstrip lines.

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