Abstracts

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

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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