

Abstracts

Capacitance and Inductance Matrices for Multistrip Structures in Multilayered Anisotropic Dielectrics

F. Medina and M. Horno. "Capacitance and Inductance Matrices for Multistrip Structures in Multilayered Anisotropic Dielectrics." 1987 Transactions on Microwave Theory and Techniques 35.11 (Nov. 1987 [T-MTT]): 1002-1008.

In this paper we present a unified variational approach to determine the capacitance and inductance matrices of generalized multistrip systems embedded in a multilayered iso/anisotropic dielectric lossless medium. The analysis is carried out in the spectral domain to take advantage of previously obtained recurrence relations which calculate the Green's function in the spectral domain. The method leads to a low-order system of linear equations, which is shown explicitly. Examples and comparison with previously published results have been included.

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