

Abstracts

Quasi-Static Analysis of Three-Line Microstrip Symmetrical Coupler on Anisotropic Substrates (Short Papers)

L. Yu and B. Rawat. "Quasi-Static Analysis of Three-Line Microstrip Symmetrical Coupler on Anisotropic Substrates (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.8 (Aug. 1991 [T-MTT]): 1433-1437.

A method for analyzing the three symmetrically coupled microstrip lines on an anisotropic substrate has been developed. Computer programs based on the method of moments have been employed and the coupler mode impedance, Z , coupling constant, K , and phase velocity, v , as functions of the anisotropy ratio, $\epsilon_{xx}/\epsilon_{yy}$, have been obtained.

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