

Abstracts

Dispersion in Unilateral Finlines on Anisotropic Substrates (Short Papers)

A.-A.T.K. Shalaby and A. Kumar. "Dispersion in Unilateral Finlines on Anisotropic Substrates (Short Papers)." 1987 Transactions on Microwave Theory and Techniques 35.4 (Apr. 1987 [T-MTT]): 448-450.

The dispersion characteristics of the dominant and higher order modes in unilateral finlines on uniaxially anisotropic substrates have been obtained. The solution has been obtained by applying the equivalent transmission-line concept in the spectral domain and by using Galerkin's method. Numerical results for the propagation constant as a function of the slot-width ratio and frequency are presented.

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