

Abstracts

Coupled Microstrips on Double Anisotropic Layers (Short Papers)

M. Horne and R. Marques. "Coupled Microstrips on Double Anisotropic Layers (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.4 (Apr. 1984 [T-MTT]): 467-470.

A variational expression is presented for the mode capacitances of coupled microstrip lines with double anisotropic layered substrates. It is shown that the even-and odd-mode phase velocities can be made equal when a sapphire layer is deposited on a boron nitride substrate. High coupler directivity can be achieved with appropriate values of both layers' thicknesses.

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