

Abstracts

Broadside-Coupled Strips in a Layered Dielectric Medium

J.L. Allen and M.F. Estes. "Broadside-Coupled Strips in a Layered Dielectric Medium." 1972 Transactions on Microwave Theory and Techniques 20.10 (Oct. 1972 [T-MTT]): 662-669.

Coupling coefficient, odd- and even-mode impedances, and the mode phase velocities are calculated for a pair of broadside-coupled strips embedded in a layered dielectric medium and enclosed by a rectangular shield. Large ratios of mode phase velocities can be achieved with this structure leading to novel performance characteristics for familiar coupled-line configurations such as the microwave C section.

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