

Abstracts

Dimensions of Microstrip Coupled Lines and Interdigital Structures (Short Papers)

T.A. Milligan. "Dimensions of Microstrip Coupled Lines and Interdigital Structures (Short Papers)." 1977 Transactions on Microwave Theory and Techniques 25.5 (May 1977 [T-MTT]): 405-410.

A method is presented for finding dimensions of coupled lines and interdigital structures on microstrip given the electrical properties. Both a graphical approach and computer approach using polynomial approximations are given. These results are within 1 percent of Bryant and Weiss' dimensions for coupled lines for most practical stripwidths and spacings. Experimental data for a 10-percent bandwidth microstrip interdigital filter are given.

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