

Abstracts

An Improved Design of Systems Based on Three Coupled Microstrip Lines (Short Papers)

N.A. El-Deeb. "An Improved Design of Systems Based on Three Coupled Microstrip Lines (Short Papers)." 1989 Transactions on Microwave Theory and Techniques 37.4 (Apr. 1989 [T-MTT]): 795-798.

An improved design of systems based on three coupled microstrip lines is introduced. The improvement lies mainly in the use of equal-mode-impedance lines, which greatly facilitates the design of the system. The design parameters of such a system are introduced in a manner that allows a simple systematic design procedure. An experimental coupler is realized and its practical performance is in good agreement with the theory.

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