

Abstracts

On the Analysis of Symmetrical Three-Line Microstrip Circuits

V.K. Tripathi. "On the Analysis of Symmetrical Three-Line Microstrip Circuits." 1977 Transactions on Microwave Theory and Techniques 25.9 (Sep. 1977 [T-MTT]): 726-729.

The immittance parameters for the case of symmetrical coupled three-line microstrip or other inhomogeneous six-port structures are derived in terms of the normal modes of the coupled system. The analytical results obtained reduce to the heretofore known results when the line parameters are interrelated in a specified manner, and should be useful in the study and accurate design of three-line couplers and other microwave circuit elements.

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