

## Losses in Y-Junction Stripline and Microstrip Ferrite Circulators

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*R.E. Neidert and P.M. Phillips. "Losses in Y-Junction Stripline and Microstrip Ferrite Circulators." 1993 Transactions on Microwave Theory and Techniques 41.6 (Jun./Jul. 1993 [T-MTT]): 1081-1086.*

This paper describes a complete theory to calculate the dielectric, conductor, and magnetic losses of Y-junction stripline and microstrip ferrite circulators in terms of 3-port S-parameters. Calculations using this theory are presented, and compared with existing data for varied circulator parameters over a frequency range of 1-100 GHz.

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