

Abstracts

Performance Characteristics of 4-Port Stripline Circulators (Short Papers)

A.M. Hussein, M.M. Ibrahim and S.E. Youssef. "Performance Characteristics of 4-Port Stripline Circulators (Short Papers)." 1975 Transactions on Microwave Theory and Techniques 23.11 (Nov. 1975 [T-MTT]): 923-926.

Impedance matrix formulation is applied to the 4-port stripline circulator to determine the optimum performance. The space harmonics generated in the ferrite disk are determined. The distribution of the electric field and the power densities across the ferrite disk are clearly presented. Using an inner dielectric provides more flexibility in the design.

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