

Abstracts

Microstrip Propagation on Magnetic Substrates-- Part I: Design Theory

R.A. Pucel and D.J. Masse. "Microstrip Propagation on Magnetic Substrates--Part I: Design Theory." 1972 *Transactions on Microwave Theory and Techniques* 20.5 (May 1972 [T-MTT]): 304-308.

Formulas and graphs are presented for the effective relative permeability and the filling factors of magnetic substrates in microstrip. Both the propagation and the magnetic loss filling factors are included. In the calculation of these quantities, use was made of the filling factors for dielectric substrates obtained from Wheeler's analysis and a duality relationship between magnetic and dielectric substrates derived in this paper.

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