

Measurement of the Equivalent Circuit Parameters of Discontinuities in a Resonant Microstrip Ring

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This paper presents an analysis of a resonant microstrip ring containing a small reciprocal discontinuity. The equivalent circuit parameters of microstrip discontinuities can be measured accurately with this inexpensive arrangement by observing the shift of the ring resonances. Measurements of the inductance of such cylindrical metallic obstacles are compared with theoretical values obtained with a variational method.

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