Abstracts

Evaluation of the Equivalent Circuit Parameters of Microstrip Discontinuities through Perturbation of a Resonant Ring (Short Papers)

W.J.R. Hoefer and A. Chattopadhyay. "Evaluation of the Equivalent Circuit Parameters of Microstrip Discontinuities through Perturbation of a Resonant Ring (Short Papers)." 1975 Transactions on Microwave Theory and Techniques 23.12 (Dec. 1975 [T-MTT] (1975 Symposium Issue)): 1067-1071.

A resonant technique for evaluating the equivalent circuit of reciprocal microstrip discontinuities is described. The complex Z parameters of a discontinuity are related to the change in resonant frequencies and Q factors of a microstrip ring it perturbs. As an example, measurements made on inductive posts are presented and compared with theoretical values.

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