

Abstracts

Spectral Domain Analysis of Interacting Microstrip Resonant Structures (Short Papers)

A.K. Sharma and B. Bhat. "Spectral Domain Analysis of Interacting Microstrip Resonant Structures (Short Papers)." 1983 *Transactions on Microwave Theory and Techniques* 31.8 (Aug. 1983 [T-MTT]): 681-685.

An analysis of the interacting microstrip resonant structures, namely, the half-wave coupled and the quarter-wave coupled rectangular microstrip resonators is performed with the hybrid-mode formulation of the spectral domain technique. The resonant frequencies in the even and odd resonance modes are evaluated from the numerical solution of the characteristic equation. Results agree within ± 1.5 percent of the experimental values.

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