

# Abstracts

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

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*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  $\pm 1.5$  percent of the experimental values.

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