

Abstracts

Coupled Microstrip Disk Resonators

N.K. Uzunoglu and P. Katechi. "Coupled Microstrip Disk Resonators." 1980 Transactions on Microwave Theory and Techniques 28.2 (Feb. 1980 [T-MTT]): 94-97.

The coupling between microstrip disk resonators is investigated analytically and experimentally. The interaction between the printed disks is modeled by a gap capacitance, which is computed by solving the corresponding electrostatic problem. An integral equation is used to determine the nonsymmetric charge distribution on the disk resonators. Numerical results are presented for several cases. For a specific case the prediction of the theory is compared with the experiment.

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