Abstracts

Characterization of Microstrip Open End in the Structure of a Parallel-Coupled Stripline Resonator Filter (Short Papers)

T. Uwano. "Characterization of Microstrip Open End in the Structure of a Parallel-Coupled Stripline Resonator Filter (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.3 (Mar. 1991 [T-MTT]): 595-600.

This paper describes an accurate characterization of stripline open end in the parallel-coupled microstrip filter configuration. The method of analysis is based on a two-port resonance technique where the spectral-domain approach is used as a full-wave analysis. Even- and odd-mode edge effects are characterized separately by solving transcendental equations. Calculated results are used for the design of certain filters and the experimental results show excellent filter performances, which validates this method and leads to accurate filter design in practice.

❑ Return to main document.