Abstracts

Analysis Method for Microstrip Line Power Dividers with Arbitrary Branching Circuit Pattern

L. Zhu and E. Yamashita. "Analysis Method for Microstrip Line Power Dividers with Arbitrary Branching Circuit Pattern." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 933-936.

The transmission and reflection properties of 3-dB microstrip line power dividers with a straight-line and curved branching circuit pattern have been analyzed based on the eigenfunction-weighted boundary integral equation method. Branching patterns can be arbitrary in this method. Theoretical values of scattering parameters are in reasonable agreement with initial experiment results at microwave frequencies.

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