

Abstracts

Design of an Overlay Directional Coupler by a Full-Wave Analysis (Dec. 1983 [T-MTT])

L. Su, T. Itoh and J. Rivera. "Design of an Overlay Directional Coupler by a Full-Wave Analysis (Dec. 1983 [T-MTT])." 1983 Transactions on Microwave Theory and Techniques 31.12 (Dec. 1983 [T-MTT] (1983 Symposium Issue)): 1017-1022.

A full-wave analysis based on the spectral-domain method is applied to coupled overlay microstrips, coupled inverted microstrips, and coupled microstrips. Exclusive numerical data including frequency characteristics are included. A 10-dB overlay coupler was built according to the design theory, and experimental results are reported.

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