Abstracts

Numerical Modelling of Chamfered Bends and Other Microstrip Junctions of General Shap in MMICs

J.X. Zheng and D.C. Chang. "Numerical Modelling of Chamfered Bends and Other Microstrip Junctions of General Shap in MMICs." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 709-712.

A full-wave analysis based upon a spatial-domain moment method, is obtained for finding two-dimensional current distributions, and hence, the scattering matrix for chamfered bends and other microstrip junctions of general shape in MMICs. The numerical simulation program can provide useful design information as well as physical insights for frequencies way up in the millimeter-wave range.

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