

Abstracts

Theory and Experiment on Rectangular Coaxial Line Discontinuities and Junctions

F. Alessandri, P. Capece and R. Sorrentino. "Theory and Experiment on Rectangular Coaxial Line Discontinuities and Junctions." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. 1 [MWSYM]): 259-262.

Step discontinuities and junctions in rectangular coaxial lines are analyzed both theoretically and experimentally. The theoretical approach is based on a modified field matching technique extended to 3-D problems for the analysis of multiaxial discontinuities. Experiments in the 2 to 6 GHz band show excellent agreement with the theoretical predictions.

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