Abstracts

Hybrid FEM analysis of thick CPW discontinuities with nonrectangular cross section

Fang-Lih Lin and Ruey-Beei Wu. "Hybrid FEM analysis of thick CPW discontinuities with nonrectangular cross section." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1527-1530.

In this paper, a hybrid finite element method is proposed to analyze the coplanar waveguide discontinuities with finite metallization thickness and nonrectangular cross section. It has been shown that not only the metallization thickness but also the conductor edge profile can produce noticeable effects on circuit performance and should be taken into account for accurately modeling the coplanar waveguide discontinuities.

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