Abstracts

Analysis, Synthesis, and Experimental Validation of a New Type of Microstrip Transition

F. Masot, F. Medina and M. Horno. "Analysis, Synthesis, and Experimental Validation of a New Type of Microstrip Transition." 1995 Transactions on Microwave Theory and Techniques 43.1 (Jan. 1995 [T-MTT]): 21-25.

This paper presents the theoretical analysis, synthesis, and experimental validation of a wideband transition between a conventional microstrip line and a microstrip line printed on a double-layer substrate. This transition is useful to link conventional microstrip circuits to certain special configurations fabricated on double-layer substrates. A particular case of generic interest is the transition between microstrip and suspended microstrip technologies. The analysis is carried out by using an enhanced version of the spectral domain analysis (SDA) that leads to computer codes quick enough to be used in an optimization design program.

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