

Abstracts

A Computationally Efficient Method for Modeling Circuits Housed in Non-Rectangular Packages

R.M. Perry, J.M. Dunn and R.C. Booton, Jr.. "A Computationally Efficient Method for Modeling Circuits Housed in Non-Rectangular Packages." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1527-1529.

Mathematical difficulties make a solution for parasitic impedances in packaged microstrip circuits problematic. Because of this, most present simulators model rectangular packages. In this paper, a method developed for rectangular packages is generalized to model packages with other cross sections. Reasonable accuracy is shown for a computationally efficient simulation of circuits housed in a package with trapezoidal cross section.

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