

Abstracts

Time-Domain Finite Difference Approach for the Calculation of Microstrip Open-Circuit End Effect

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The frequency-dependant characteristics of the microstrip open-end has been analysed using several full-wave approaches. The time-domain finite difference (TD-FD) method presented in this paper is another independent approach, which is relatively new in its application to obtain the frequency domain results. The purpose of this paper is to establish the validity of the TD-FD method in modeling circuit components for MMIC-CAD applications.

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