

Abstracts

Full Wave Analysis of Tapered Microstrip Lines Using the Conformal Grids FD-TD Method

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In this paper, three-dimensional full wave analysis of tapered microstrip lines is carried out in the time domain. The method used is the conformal grids FD-TD method. Computed results are compared with experimental ones and those obtained by the finite element method. The results agree well. As a result, it is shown that the propagation characteristics are very different from those obtained through two-dimensional modeling.

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