Abstracts

Dominant and Second-Order Mode Cutoff Frequencies in Fin Lines Calculated with a Two-Dimensional TLM Program

Y.-C. Shih and W.J.R. Hoefer. "Dominant and Second-Order Mode Cutoff Frequencies in Fin Lines Calculated with a Two-Dimensional TLM Program." 1980 Transactions on Microwave Theory and Techniques 28.12 (Dec. 1980 [T-MTT] (1980 Symposium Issue)): 1443-1448.

This paper presents the dominant and second-order mode cutoff frequencies in unilateral, bilateral, and insulated fin lines as calculated with a two-dimensional TLM program. Through careful correction of errors associated with this method, an overall accuracy better than ±1 percent has heen achieved. This TLM program therefore provides an excellent reference for verifying other existing methods.

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