

Abstracts

An Efficient Analysis Approach for Inset Dielectric Guide (IDG) Structures and its Variations

Z. Ma, T. Ishikawa and E. Yamashita. "An Efficient Analysis Approach for Inset Dielectric Guide (IDG) Structures and its Variations." 1995 *Microwave and Guided Wave Letters* 5.4 (Apr. 1995 [MGWL]): 117-118.

Based on a simplified analysis model of the inset dielectric guide (IDG), an efficient mode-matching approach is proposed for the accurate characterization of IDG structures.

Formulations of the approach are easy to understand and to perform, and are proved to be accurate, fast convergent, and versatile by a variety of numerical examples.

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