

Abstracts

Analysis of Periodic Ferrite Slab Waveguides by Means of Improved Perturbation Method

K. Araki and T. Itoh. "Analysis of Periodic Ferrite Slab Waveguides by Means of Improved Perturbation Method." 1981 Transactions on Microwave Theory and Techniques 29.9 (Sep. 1981 [T-MTT] (Special Issue on Open Guided Wave Structures)): 911-916.

Periodic ferrite slab waveguides are analyzed by means of an improved perturbation method, and nonreciprocal leakage phenomena are shown theoretically. As an application of these phenomena, new planar isolators and circulators are proposed. Numerical examples are also provided.

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