

Abstracts

A Note on the Mode Characteristics of a Ferrite Slab (Short Papers)

H.-Y. Yang. "A Note on the Mode Characteristics of a Ferrite Slab (Short Papers)." 1995 Transactions on Microwave Theory and Techniques 43.1 (Jan. 1995 [T-MTT]): 235-238.

Properties of guided-wave modes of a ferrite slab propagating in the direction transverse to the bias field are reexamined. Analytic results for the frequencies where magnetostatic and dynamic modes exist simultaneously are found. The method of eliminating the dynamic modes in the magnetostatic-wave operation is described. The formulas for the distinction of oscillatory and surface-wave modes are also derived.

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