Abstracts

Magnetostatic Surface Waves in Ferrite Slab Adjacent to Semiconductor (Short Papers)

M. Masuda, N.S. Chang and Y. Matsuo. "Magnetostatic Surface Waves in Ferrite Slab Adjacent to Semiconductor (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.2 (Feb. 1974 [T-MTT]): 132-135.

Magnetostatic surface waves propagating along the ferrite slab adjacent to a semiconductor are discussed in this paper. Our numerical results indicate that the conductivity of the semiconductor plays an important role in the determination of the dispersion relation in the case of nondrifting carriers. The backward wave appears for a finite value of the conductivity.

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