Abstracts

Slow-Wave Characteristics of Ferromagnetic Semiconductor Microstrip Line (Dec. 1986 [T-MTT])

H. Ogawa and T. Itoh. "Slow-Wave Characteristics of Ferromagnetic Semiconductor Microstrip Line (Dec. 1986 [T-MTT])." 1986 Transactions on Microwave Theory and Techniques 34.12 (Dec. 1986 [T-MTT] (1986 Symposium Issue)): 1478-1482.

A new slow-wave microstrip line made of a ferromagnetic semiconductor (FMS) substrate is proposed and its characteristics are discussed. Another possibility of a slow-wave microstrip line by a ferromagnetic (FM) substrate is also described in this paper. It is shown that these structures have more desirable and flexible guided wave properties than the conventional metal-insulator-semiconductor (MIS) microstrip line.

❑ Return to main document.