

Abstracts

Nonreciprocal Characteristics of Broadside-Coupled Fin Lines with Magnetized Ferrites

T. Kitazawa and T. Sugano. "Nonreciprocal Characteristics of Broadside-Coupled Fin Lines with Magnetized Ferrites." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 729-732.

A hybrid-mode analytical method is described to evaluate the nonreciprocal characteristics of various types of the broadside-coupled fin lines with the magnetized ferrite and the finite metallization thickness. Numerical results demonstrate the nonreciprocal properties not only on the phase constants, but also on the characteristic impedances and the conductor losses.

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