

Abstracts

Ferrite Transmission Devices Using the Edge-Guided Mode of Propagation

M.E. Hines. "Ferrite Transmission Devices Using the Edge-Guided Mode of Propagation." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 236-237.

An edge-guided mode of propagation is found in wide microstrip and stripline transmission devices using ferrite dielectric slabs magnetized perpendicular to the ground plane. The theory of propagation is reviewed, and applications of the principles are described for devices such as isolators, multiport circulators, and phase shifters.

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