Abstracts

Asymmetrical Coplanar Waveguide with Finite Metallization Thickness Containing Anisotropic Media

T. Kitazawa and T. Itoh. "Asymmetrical Coplanar Waveguide with Finite Metallization Thickness Containing Anisotropic Media." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 673-676.

The spectral-domain approach (SDA) is extended to analyze the metallization thickness effect in the asymmetrical coplanar waveguide (ACPW) with an anisotropic substrate. Numerical computations are carried out for ACPW with a uniaxially anisotropic substrate and for a magnetized ferrite substrate. The paper demonstrates the metallization effect and the nonreciprocal properties in ACPW for the fiist time.

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