

Abstracts

Proposal of Surface-Wave Planar Circuit, Formulation of its Planar Circuit Equations and its Practical Application

J.-P. Hsu, T. Anada and H. Eriguchi. "Proposal of Surface-Wave Planar Circuit, Formulation of its Planar Circuit Equations and its Practical Application." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 797-800.

This paper proposes the concept of a surface-wave planar circuit and formulates surface-wave planar circuit equations based on Maxwell's equations. As examples of the application of these equations to practical problems, step discontinuity, planar-type transmission line and circular-shaped resonator of covered image-line type are considered.

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