

Abstracts

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

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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.

 [Return to main document.](#)