

# Abstracts

## Theoretical Aspects of Microstrip Waveguides

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G.A. Deschamps. *"Theoretical Aspects of Microstrip Waveguides."* 1954 *Transactions on Microwave Theory and Techniques* 2.1 (Apr. 1954 [T-MTT]): 100-102.

The Microstrip is a modification of the wire-above-ground system of transmission - the wire is replaced by a narrow strip printed on a dielectric sheet which is backed by a conductor. An exact theory for such a structure is difficult because the cross section is not homogeneous and has a geometry which does not lead to separation of variables. Furthermore it is an "open" structure where the energy is not confined to a finite region as it would be in conventional or "closed" waveguides.

 [Return to main document.](#)