

Abstracts

A Double-Ground-Plane Strip-Line System for Microwaves

B.A. Dahlman. "A Double-Ground-Plane Strip-Line System for Microwaves." 1955 Transactions on Microwave Theory and Techniques 3.5 (Oct. 1955 [T-MTT]): 52-57.

The double-ground-plane strip line consists of two parallel conducting planes with a conducting strip imbedded in a homogeneous dielectric between them. Transmission characteristics for this system are calculated, and design formula are given. Practical viewpoints on design and application of strip lines are discussed. System can be used as an inexpensive base for microwave circuits and is well adapted to laboratory experiments and mass production.

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