

Abstracts

Microstrip - A New Microwave Transmission Technique (Abstract)

H.F. Engelmann. "Microstrip - A New Microwave Transmission Technique (Abstract)." 1953 Transactions on Microwave Theory and Techniques 1.1 (Mar. 1953 [T-MTT]): 22-22.

A new use is made of the classical two-wire transmission line in its application to microwave transmission. By the introduction of a ground plane, the familiar two-wire line is reduced to a planar configuration which permits important advantages to be obtained compared to present microwave techniques. These advantages include good electrical characteristics, reduction in size and weight, with corresponding reduction in manufacturing costs since printed circuit techniques become applicable. The general characteristics of this system are presented together with application information with respect to components, etc.

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