

Abstracts

An Analysis of Nonreciprocal Microstrip

J.A. Weiss. "An Analysis of Nonreciprocal Microstrip." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 404-408.

Some progress has been reported in the development of nonreciprocal and magnetically variable devices in the microstrip transmission medium. Further investigation and analysis remain in order for optimum performance to be characterized theoretically and achieved in practice. The objectives are to achieve favorable performance in insertion loss and bandwidth of phase shifters and other components, an acceptable combination of microwave characteristics and switching properties in variable devices, and freedom from spurious interactions between these components and the circuits in which they are imbedded.

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