

Abstracts

The Application of Periodic Loading to a Ferrite Phase Shifter Design (Dec. 1971 [T-MTT])

W.G. Spaulding. "The Application of Periodic Loading to a Ferrite Phase Shifter Design (Dec. 1971 [T-MTT])." 1971 Transactions on Microwave Theory and Techniques 19.12 (Dec. 1971 [T-MTT] (1971 Symposium Issue)): 922-928.

The use of a class of periodic structures in the design of low-cost ferrite remanence phase shifters is reported. A loading factor is developed to show the relation of device characteristics to the degree of periodic loading. Results of measurements on a subarray of 64 phase shifters are given to illustrate the repeatability of a described simultaneous assembly technique.

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