

Abstracts

[The Application of Periodic Loading to Ferrite Phase Shifter Design \(1971 \[MWSYM\]\)](#)

W.G. Spaulding. "The Application of Periodic Loading to Ferrite Phase Shifter Design (1971 [MWSYM])." 1971 G-MTT International Microwave Symposium Digest of Technical Papers 71.1 (1971 [MWSYM]): 106-107.

The use of periodic loading to enhance the differential phase shift of a remanence ferrite phase shifter, while maintaining frequency compensation, has been reported previously. This paper reports on progress in the use of this techniques and the characteristics obtained versus the degree of periodic loading. The circuit has low cost potential and results in a reduction of the size and switching energy of the phase shifter; however, this is obtained at the expense of peak power handling capability.

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