

Abstracts

Small Analog Stripline X-Band Ferrite Phase Shifter (Correspondence)

T. Nelson, R.A. Moore, E. Wantuch, D. Buck, R. Huber and R. Lee. "Small Analog Stripline X-Band Ferrite Phase Shifter (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.1 (Jan. 1970 [T-MTT]): 45-46.

A small analog X-band stripline phase shifter using commercially available ferrites provides a figure of merit of $300^\circ/\text{dB}$, average coil drive power of 30 mW and element weight less than 4 oz. Experiments on an element using a new zinc-doped magnesium-manganese ferrite have given a figure of merit of $450^\circ/\text{dB}$.

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