

Abstracts

A Low-Cost Construction Technique for Garnet and Lithium-Ferrite Phase Shifters

D.A. Charlton. "A Low-Cost Construction Technique for Garnet and Lithium-Ferrite Phase Shifters." 1974 Transactions on Microwave Theory and Techniques 22.6 (Jun. 1974 [T-MTT] (Special Issue on Microwave Control Devices for Array Antenna Systems)): 614-617.

Low-cost construction techniques for S-band twin-slab ferrite phase shifters are presented along with an experimental comparison of garnet and lithium-ferrite materials. A 3-bit phase shifter with lithium-ferrite material, which is approximately half the price of garnet material, had a measured loss of 0.4 dB and a peak power handling of 4.5 kW.

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