

Abstracts

A Novel Design of an X-Band High-Power Ferrite Phase Shifter (Short Papers)

K.H. Hering. "A Novel Design of an X-Band High-Power Ferrite Phase Shifter (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.4 (Apr. 1972 [T-MTT]): 284-286.

A nonreciprocal analog-latching phase-shifter design at X-band is described. The device has been operated up to 250 W of average power and 50 kW of peak power. Direct liquid cooling is implemented, pumping FC-78, a dielectric coolant, through the center slot of the ferrite toroid.

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