

Abstracts

Phase and Loss Characteristics of High Average Power Ferrite Phasers (Short Papers)

J.L. Allen. "Phase and Loss Characteristics of High Average Power Ferrite Phasers (Short Papers)." 1973 *Transactions on Microwave Theory and Techniques* 21.8 (Aug. 1973 [T-MTT]): 543-544.

An analysis is presented of the propagation characteristics of some waveguide latching ferrite phaser structures useful for high average power applications. Calculated results show the effects on the loss and differential phase shift of adding vertical slab or T-shaped cooling structures of dielectrics, such as beryllium oxide and boron nitride. Typical design data are presented.

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