Abstracts

Some Effects of Dielectric Loading on Ferrite Phase Shifters in Rectangular Waveguide (Correspondence)

A.K. Jordan. "Some Effects of Dielectric Loading on Ferrite Phase Shifters in Rectangular Waveguide (Correspondence)." 1962 Transactions on Microwave Theory and Techniques 10.1 (Jan. 1962 [T-MTT]): 83-84.

The use of dielectric loading with the ferrites in nonreciprocal transmission lines has become quite prevalent. The theoretical analysis of unloaded ferrite phase shifters in rectangular waveguictel has been extended to the dielectrically loaded case by Soohoo. The boundary-value problem of ferrite phase shifters in dielectrically loaded coaxial lines, which possesses a transcendental equation similar to the waveguide case, has been throughly discussed by several authors.

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