Abstracts

Characterization of Magnetic Materials in the Millimeter-Wave Range (60-90 GHz) (Short Papers)

B.C.S. Lint and A. Priou. "Characterization of Magnetic Materials in the Millimeter-Wave Range (60-90 GHz) (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.11 (Nov. 1976 [T-MTT] (Special Issue on Millimeter Waves: Circuits, Components, and Systems)): 883-886.

It is shown that the measurement techniques of dielectric samples using open resonators can also be used to characterize ferrimagnetic materials. The parameters that are measured are the complex permittivity epsilon/sub f/* and the Delta H ferrite gyromagnetic resonance linewidth. The principle of the techniques used and an evaluation of ferrite material parameters from 10 to 70 GHz are presented.

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