

Abstracts

Ferromagnetic Resonance Linewidth and g-Factor in Ferrites from 2 to 18 Gc/s (Correspondence)

H. Brand and H.W. Fieweger. "Ferromagnetic Resonance Linewidth and g-Factor in Ferrites from 2 to 18 Gc/s (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.5 (Sep. 1965 [T-MTT]): 712-713.

The parameters of the uniform precession in homogeneously biased ferrite spheres such as the linewidth and the g-factor are often used to characterize ferrite materials. As is well known these data are not always frequency independent. When they are measured using the standard cavity technique it is very difficult to obtain information over a broad frequency band. On the other hand, it is the actual frequency dependence that may be of interest both for microwave applications and for a theoretical understanding of the loss mechanism in ferrites.

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