Abstracts

Size Effect in the Measurement of Microwave Permeability of Ferrites (Correspondence)

B. Maher and L. Silber. "Size Effect in the Measurement of Microwave Permeability of Ferrites (Correspondence)." 1961 Transactions on Microwave Theory and Techniques 9.1 (Jan. 1961 [T-MTT]): 96-96.

In the usual method of measuring the tensor permeability of ferrites at microwave frequencies, a small sample of the material is placed in a suitable cavity, and the change in resonant frequency and Q of the cavity, caused by the presence of the ferrite, are measured. The measured quantities are related to the quantities of interest-real and imaginary parts of permeability-by equations derived through perturbation theory.

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