

Abstracts

Magnetostriction Effects on Ferrite Material Parameters of Importance in Remanence Devices (Correspondence)

R. Epstein, R. Germann, J. Sohn and D. Temme. "Magnetostriction Effects on Ferrite Material Parameters of Importance in Remanence Devices (Correspondence)." 1968 Transactions on Microwave Theory and Techniques 16.1 (Jan. 1968 [T-MTT]): 54-55.

Stresses have been shown to have pronounced effects on the shapes of the hysteresis loops of magnetostrictive garnets and nickel ferrites. These stresses, which can be induced by the mechanical pressure of the ferrite mount or by the machining of the ferrite, may appreciably alter other basic material parameters. This correspondence reports additional data obtained on some magnetostriction effects pertinent to remanent device applications.

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