

Abstracts

Orthogonal Coupling to YIG Delay Lines (Correspondence)

E.J. Wrobel. "Orthogonal Coupling to YIG Delay Lines (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.5 (Sep. 1965 [T-MTT]): 707-708.

Recently, many experiments have been conducted for the purpose of investigating the microwave delay properties of single-crystal YIG. Three forms of delay have been observed: fixed acoustic, variable spin-acoustic, and variable pure spin propagation. At short delays the initiating pulse makes observance of the delay pulse extremely difficult. We have conducted experiments using rod-like YIG samples and a two-port coupling arrangement similar to that employed by Olson.

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