

Abstracts

The Gyromagnetic Coupling Limiter at C-Band (Correspondence)

J. Clark and J. Brown. "The Gyromagnetic Coupling Limiter at C-Band (Correspondence)." 1962 Transactions on Microwave Theory and Techniques 10.1 (Jan. 1962 [T-MTT]): 84-85.

The original paper of DeGrasse and subsequent publications dealing with the use the crossed-strip gyromagnetic coupler as a limiter have been concerned with the operation of this device below 3300 Mc. At these frequencies the limiter exhibits a sharp threshold at a very low power level, in the neighborhood of -20 dbm. Fig. 1 illustrates typical flat leakage characteristics at a frequency of 2600 Mc. A single crystal YIG sphere of 2 mils was used in this limiter.

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