

Abstracts

A Low-Noise Room-Temperature 12-GHz Parametric Amplifier (Short Papers)

S.D. Lacey, B.T. Hughes and J.C. Vokes. "A Low-Noise Room-Temperature 12-GHz Parametric Amplifier (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.12 (Dec. 1974, Part II [T-MTT] (1974 Symposium Issue)): 1329-1331.

A low-noise room-temperature wide-band parametric amplifier is described which could be used, for example, in 12-GHz satellite ground station receivers. The amplifier has a gain of 26 dB, a 1/2-dB bandwidth of 660 MHz, and a noise temperature between 156 and 171 K.

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