

Abstracts

An X-Band LSA Amplifier

F.J. Lidgley and K.W.H. Foulds. "An X-Band LSA Amplifier." 1973 Transactions on Microwave Theory and Techniques 21.11 (Nov. 1973 [T-MTT] (Special Issue on Solid-State Microwave Power Amplifiers)): 736-738.

Linear reflection gain has been observed from a GaAs diode oscillating in the LSA mode with gain occurring at a frequency not harmonically related to the fundamental oscillation frequency. The characteristics of the amplifier are presented together with measurements of the circuit load as seen by the device. The mechanism of operation is also discussed.

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