

Abstracts

A Manufacturable GaAs MMIC Amplifier with 10 GHz Bandwidth

S. Moghe, T. Andrade, H. Sun and C. Huang. "A Manufacturable GaAs MMIC Amplifier with 10 GHz Bandwidth." 1984 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 84.1 (1984 [MCS]): 37-40.

A two stage feedback amplifier has been developed for the 2 to 12 GHz band. The measured gain is 10 ± 1 dB with 2.5:1 input and 1.7:1 output VSWR. The chip size is less than 0.5 x 1.0 mm² and it includes complete RF and bias circuitry. The amplifier also has AGC capability with more than 25 dB of gain control.

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