

Abstracts

Broad-Band GaAs Monolithic Amplifier Using Negative Feedback (Short Papers)

P.A. Terzian, D.B. Clark and R.W. Waugh. "Broad-Band GaAs Monolithic Amplifier Using Negative Feedback (Short Papers)." 1982 Transactions on Microwave Theory and Techniques 30.11 (Nov. 1982 [T-MTT]): 2017-2020.

A monolithic amplifier covering the 1-7-GHz frequency band has been fabricated using negative feedback. Small signal power gain of $6.0 \text{ dB} \pm 0.2 \text{ dB}$ was achieved with maximum input and output VSWR of 2.3:1 and 1.7:1, respectively. Design considerations and processing techniques for active and passive elements are presented along with detailed performance data.

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