

Abstracts

An 8-18 GHz Monolithic Two-Stage Low Noise Amplifier

L.C.T. Liu, D.W. Maki, C. Storment, M. Sokolich and W. Klatskin. "An 8-18 GHz Monolithic Two-Stage Low Noise Amplifier." 1984 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 84.1 (1984 [MCS]): 49-51.

A wideband monolithic low noise amplifier which covers the frequency band from 8 to 18 GHz has been designed and fabricated. The amplifier has a noise figure less than 4.3 dB and an associated gain of 8.5 dB across the entire band. A revised version of the amplifier which has a design goal of sub-four dB noise figure and an associated gain of 12 dB has been processed. Measured data will be presented at the conference.

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