

Abstracts

A Low Noise Distributed Amplifier with Gain Control (1987 [MCS])

C. Hutchinson and W. Kennan. "A Low Noise Distributed Amplifier with Gain Control (1987 [MCS])." 1987 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 87.1 (1987 [MCS]): 119-122.

A 2 to 18GHz monolithic GaAs distributed amplifier has been developed with 17dB nominal gain, less than 2.0:1 input and output VSWR, less than 6.0dB noise figure, and greater than 40dB gain control. The chip size at 3.0 sq. mm. (1.63mm by 1.88mm) makes it cost effective for a wide variety of applications.

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