

Abstracts

Low DC Power Monolithic Low Noise Amplifier for Wireless Applications at 5 GHz

U. Lott. "Low DC Power Monolithic Low Noise Amplifier for Wireless Applications at 5 GHz."
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A two stage monolithic integrated low noise amplifier for applications in the wireless data frequency range of 5 to 6 GHz has been designed. A noise figure of 3.5 dB with a gain of 15 dB has been achieved using enhancement MESFETs only. The LNA draws 3 mA from a 3.3 V supply, achieving a gain/P/sub DC/ figure of merit of 1.5 dB/mW.

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