

# Abstracts

## X-band Monolithic Series Feedback LNA (1985 [MWSYM])

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*R.E. Lehmann and D.D. Heston. "X-band Monolithic Series Feedback LNA (1985 [MWSYM])." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 51-54.*

An X-band monolithic three-stage low noise amplifier (LNA) employing series feedback has demonstrated 1.8 dB noise figure with 30.0 dB gain and an input VSWR less than 1.2:1 at 10 GHz. The key to this design is using monolithic technology to obtain an exactly repeatable series feedback inductance to achieve a simultaneous noise match and input VSWR match.

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