

Abstracts

A 3-Watt X-Band Monolithic Variable Gain Amplifier (1988 Vol. I [MWSYM])

R.B. Culbertson and D.C. Zimmermann. "A 3-Watt X-Band Monolithic Variable Gain Amplifier (1988 Vol. I [MWSYM])." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 171-174.

The design and performance of a monolithic dual-gate GaAs FET 3-watt X-Band amplifier are discussed. The two-stage amplifier demonstrates 13 dB gain and over 20 percent power-added efficiency. Both large-signal and small-signal gain can be varied 20 dB while exhibiting less than +/- 6 degrees insertion phase variation.

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