

Abstracts

A 35 GHz Monolithic MESFET LNA (1988 Vol. I [MWSYM])

S. Bandla, G. Dawe, C. Bedard, R. Tayrani, D. Shaw, L. Raffaelli and R. Goldwasser. "A 35 GHz Monolithic MESFET LNA (1988 Vol. I [MWSYM])." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 259-263.

This paper describes the design and fabrication of a state of the art 35 GHz Monolithic Amplifier. The amplifier with 6.5 dB gain, 4 dB noise figure and 10 dBm power output at 1 dB gain compression is based on a .25x200 micron MBE grown MESFET. Device, circuit design, fabrication details and test results are presented.

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