

Abstracts

MM-Wave MIMIC Receiver Components

M.W. Trippe, S. Weinreb, S.W. Duncan, A. Eskandarian, B.A. Golja, D.C. Martel, G. Mendenilla, B. Power, H.B. Sequeira, S.B. Southwick, S.P. Svensson, D.-W. Tu and N.E. Byer. "MM-Wave MIMIC Receiver Components." *1991 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 91.1 (1991 [MCS]): 51-54.*

Monolithic W-band amplifiers and a new W-band mixer fabricated using a pseudomorphic 0.1- μm MODFET technology are presented. Single-stage W-band amplifiers delivered 8.5-dB gain; four-stage units showed 23-dB maximum gain or 4.5-dB noise figure, 21.7-dB associated gain. Monolithic W-band mixers have shown 11.8 dB conversion loss.

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