

Abstracts

A Linear Limiter: A 11-GHz Monolithic Low Distortion Variable Gain Amplifier

M. Muraguchi and M. Aikawa. "A Linear Limiter: A 11-GHz Monolithic Low Distortion Variable Gain Amplifier." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 525-528.

A new 11-GHz monolithic low distortion variable gain amplifier is proposed. The amplifier maintains high lineality up to the high input power level using variable negative feedback. The third-order intermodulation distortion ratio of this amplifier is improved more than 40 dB compared with conventional variable gain amplifiers under compressed gain conditions.

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