

# Abstracts

## Wide-Band Limiting Amplifiers with Low Second Harmonic Distortion, Utilizing GaAs MMIC Limiters

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*E.J. Crescenzi, Jr., R.S. Besser, B.A. Tucker and T.R. Kritzer. "Wide-Band Limiting Amplifiers with Low Second Harmonic Distortion, Utilizing GaAs MMIC Limiters." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 328-331.*

A 2-6 GHz microwave limiting amplifier has been constructed using alternating MMIC limiters and GaAs FET amplifier stages. The function of the limiters is to restrict signal levels such that the gain stages operate in a linear region. A multistage prototype amplifier maintained second harmonic levels at least 28 dB below the fundamental output, when driven 30 dB into saturation.

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