

# Abstracts

## A 30 GHz FET Receiver

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*E. Watkins, J.M. Schellenberg and H. Yamasaki. "A 30 GHz FET Receiver." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 16-18.*

This paper describes a GaAs FET receiver operating from 27.5 to 30.0 GHz with a 4.6 dB noise figure and 17 dB conversion gain at band center. A three-stage FET amplifier (4.4 dB noise figure, 17.5 dB gain), a 25 GHz FET oscillator (10 mW output), and dual-gate FET mixer (3 dB conversion gain, 10 dB noise figure) were developed for this receiver.

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