

Abstracts

Wide-Band Monolithic GaAs Phase Detector for Homodyne Reception (1987 Vol. I [MWSYM])

P. Jean, V. Pauker and P. Dautriche. "Wide-Band Monolithic GaAs Phase Detector for Homodyne Reception (1987 Vol. I [MWSYM])." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 169-171.

A multipurpose, 0.04 - 4 GHz, monolithic GaAs detector circuit has been fabricated. It shows a sensitivity of 2.5 V/rad with a DC offset of 300 mV for a differential dynamic range of 8 V. It has been successfully tested as a phase detector in a homodyne receiver over L and S bands.

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