

# Abstracts

## Low cost GaAs PHEMT MMICs for millimeter-wave sensor applications

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*H.J. Siweris, A. Werthof, H. Tischer, U. Schaper, A. Schafer, L. Verweywn, T. Grave, G. Bock, M. Schlechtweg and W. Kellner. "Low cost GaAs PHEMT MMICs for millimeter-wave sensor applications." 1998 MTT-S International Microwave Symposium Digest 98.1 (1998 Vol. I [MWSYM]): 227-230.*

A chip set for millimeter-wave sensor applications, especially automotive radar systems, is described. It consists of a highly integrated transceiver chip, a voltage controlled oscillator, a harmonic mixer and a medium power amplifier. The MMICs operate in the 76-77 GHz frequency range and have been fabricated by a production oriented GaAs PHEMT technology.

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