

Abstracts

Low cost GaAs PHEMT MMICs for millimeter wave sensor applications

H.J. Siweris, A. Werthof, H. Tischer, U. Schaper, A. Schafer, L. Verweyen, T. Grave, G. Bock, M. Schlechtweg and W. Kellner. "Low cost GaAs PHEMT MMICs for millimeter wave sensor applications." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 283-286.

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.

 [Return to main document.](#)