

Low cost GaAs PHEMT MMICs for millimeter-wave sensor applications

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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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