

Abstracts

76-GHz MMIC chip set for compact, low cost and highly reliable automotive radar system

H. Mizutani, N. Shida, T. Saryo, T. Kuwabara, T. Eda, T. Matsumura and M. Funabashi. "76-GHz MMIC chip set for compact, low cost and highly reliable automotive radar system." 1999 Radio Frequency Integrated Circuits (RFIC) Symposium 99. (1999 [RFIC]): 91-94.

This paper presents a compact and highly reliable 76-GHz MMIC chip set for a low cost automotive radar. The chip set consisting of a 38-GHz amplifier with 15.2-dBm output power, a transmitter MMIC with 11.0-dBm output power and a receiver MMIC with -4.6-dB conversion gain were successfully demonstrated.

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