

Abstracts

76 GHz flip-chip MMICs for automotive radars

T. Shimura, Y. Kawasaki, Y. Ohashi, K. Shirakawa, T. Hirose, S. Aoki, H. Someta, K. Makiyama and S. Yokokawa. "76 GHz flip-chip MMICs for automotive radars." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 25-28.

Using the flip-chip bonding technique, we developed a 76-GHz MMIC chip set for automotive radars. A chip set consists of a 76-GHz amplifier, a 76-GHz mixer, 76-GHz SPDT switches, a 38/76-GHz doubler, a 38-GHz voltage-controlled oscillator and a 38-GHz buffer amplifier.

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