

Abstracts

A 60 GHz millimeter-wave MMIC chipset for broadband wireless access system front-end

Y. Mimino, K. Nakamura, Y. Hasegawa, Y. Aoki, S. Kuroda and T. Tokumitsu. "A 60 GHz millimeter-wave MMIC chipset for broadband wireless access system front-end." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 1721-1724 vol.3.

This paper presents a complete 60 GHz millimeter-wave MMIC chipset for broadband wireless access system. This chipset consists of a low noise amplifier, a power amplifier, an up-converter, a down-converter, a quadrupler and an SPDT switch. Frequency range of these MMICs is from 55 GHz to 64 GHz, this frequency covers the entire 60 GHz application band.

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