

Abstracts

A GaAs MMIC MMDS downconverter

J. Birkeland, R. Sherman, R. Potyka, M. Zou and J. Carbacio. "A GaAs MMIC MMDS downconverter." 1997 Radio Frequency Integrated Circuits (RFIC) Symposium 97. (1997 [RFIC]): 29-32.

We present design and performance of a new GaAs multichannel multipoint distribution system (MMDS) downconverter IC. The IC consists of an integrated mixer, VCO, and buffer amp on a single GaAs die. The downconverter is designed for use in an MMDS receiver converting a block of 32 analog TV channels in the 2500-2686 MHz band to an IF in the 200-400 MHz range.

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