

Abstracts

A Miniature Low Current GaAs MMIC Downconverter for Ku-Band Broadcast Satellite Applications

K. Sakuno, T. Yoshimasu, N. Matsumoto, T. Tsukao, Y. Nakagawa, E. Suematsu and T. Tomita. "A Miniature Low Current GaAs MMIC Downconverter for Ku-Band Broadcast Satellite Applications." 1992 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 92.1 (1992 [MCS]): 101-104.

A miniature low current GaAs MMIC downconverter with a novel image rejection filter has been developed for commercial Ku-band broadcast satellite receivers. The current consumption of the MMIC downconverter was only 40 mA. The chip size of the MMIC downconverter with the image rejection filter is 1.7 mm X 2.05 mm, which is believed to be the smallest size ever reported.

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