

Abstracts

Development of Key Monolithic Circuits to Ka-Band Full MMIC Receivers

T. Ohira, T. Tokumitsu, T. Hiraoka, Y. Kihata, K. Araki and H. Kato. "Development of Key Monolithic Circuits to Ka-Band Full MMIC Receivers." 1987 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 87.1 (1987 [MCS]): 69-74.

Key monolithic circuits to Ka-band full MMIC receivers have been designed and fabricated. Conventional hybrid-oriented elements such as RF image-rejection filters, LO dielectric resonators and IF hybrid couplers have been eliminated for the full MMIC configuration. Prospects have been obtained for realization of very-small-size microwave communication receivers.

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