

Abstracts

Ku-Band Receiver Front-End Using MIC Technology

C.M. Krowne, F.A. Marki and E.J. Crescenzi, Jr.. "Ku-Band Receiver Front-End Using MIC Technology." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 198-202.

The development of a Ku-band receiver front-end using microwave integrated circuit technology is described. The front end elements, including a GaAs FET RF balanced amplifier stage, an image reject mixer, and a varactor controlled GaAs FET oscillator are integrated in a very small simple hermetic package. Electrical design details are presented for the varactor controlled FET oscillator development.

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