

Abstracts

Ka-Band MMIC Receiver with Ion-Implanted Technology for High-Volume and Low-Cost Application

J. Mondal, J. Geddes, J. Detry and D. Carlson. "Ka-Band MMIC Receiver with Ion-Implanted Technology for High-Volume and Low-Cost Application." 1991 Microwave and Guided Wave Letters 1.10 (Oct. 1991 [MGWL]): 278-281.

An MMIC receiver in ion-implantation technology, with LNA and mixer, shows 4.7 dB noise figure and 6.8 dB conversion gain at 35 GHz with a low IF frequency of 10-50 MHz.

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