

Abstracts

A plastic package GaAs MESFET 5.8 GHz receiver front-end with on-chip matching for ETC system

Eng Chuan Low, H. Nakamura, H.I. Fujishiro and Kai Tuan Yan. "A plastic package GaAs MESFET 5.8 GHz receiver front-end with on-chip matching for ETC system." 1999 Radio Frequency Integrated Circuits (RFIC) Symposium 99. (1999 [RFIC]): 43-46.

A plastic package GaAs MESFET receiver front-end MMIC operating at 5.8 GHz is presented. It has a two stage LNA followed by a dual-gate mixer. Operating at 3 V and 8.3 mA, CG of 20.4 dB, NF of 4.1 dB, and high port-to-port isolations have been achieved. A 3 dB bandwidth of CG is 1 GHz.

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