

Abstracts

Improving the Dynamic Range of Si MMIC Gilbert Cell Mixers for Homodyne Receivers

J.M. Moniz and B. Maoz. "Improving the Dynamic Range of Si MMIC Gilbert Cell Mixers for Homodyne Receivers." 1994 *Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest* 94.1 (1994 [MCS]): 103-106.

A unique Si MMIC Gilbert cell mixer has been developed which exhibits a 20 dB dynamic range improvement for homodyne receivers over the conventional Gilbert cell mixer for essentially the same gain, noise figure, chip size, cost, and DC power consumption.

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