

Abstracts

94 GHz Planar GaAs Monolithic Balanced Mixer (1984 [MCS])

P. Bauhahn, T. Contolatis, J. Abrokwhah, C. Chao and C. Seashore. "94 GHz Planar GaAs Monolithic Balanced Mixer (1984 [MCS])." 1984 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 84.1 (1984 [MCS]): 70-73.

A 94 GHz GaAs monolithic balanced mixer in a Planar microstrip integrated circuit configuration has been demonstrated. A double sideband noise figure of 5.6 dB has been achieved at 94.5 GHz. This includes a 1.5 dB noise contribution of the IF preamplifier. The chip size is 0.076 x .034 inch with integral beam leads.

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