

Abstracts

Cooled Low Noise GaAs Monolithic Mixers at 110 GHz

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"Cooled Low Noise GaAs Monolithic Mixers at 110 GHz." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 444-446.*

We describe the fabrication and testing of GaAs monolithic integrated circuit mixers which have liquid nitrogen double sideband (DSB) mixer noise temperatures in the range 50-200 K and conversion losses of 4.0-5.0 dB.

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