

Abstracts

A W-Band Monolithic GaAs Crossbar Mixer

L.T. Yuan. "A W-Band Monolithic GaAs Crossbar Mixer." 1984 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 84.1 (1984 [MCS]): 67-69.

A fully monolithic crossbar mixer has been designed and fabricated for operation at W-band (75 to 110 GHz). A typical conversion loss of 9 dB with a variation of less than ± 0.5 dB has been measured, and a minimum conversion loss of 7.5 dB has been measured at 76 GHz.

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