

Abstracts

Design and Performance of a 2-18 GHz Monolithic Matrix Amplifier (1989 [MCS])

A.P. Chang, K.B. Niclas, B.D. Cantos and W.A. Strifler. "Design and Performance of a 2-18 GHz Monolithic Matrix Amplifier (1989 [MCS])." 1989 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 89.1 (1989 [MCS]): 139-141.

The paper discusses the design and the performance of the first monolithic matrix amplifier. A gain of 15.5 ± 0.9 dB at a worst return loss of -12 dB, a maximum noise figure of 7 dB, and a minimum output power of $P_{\text{sub 1dB}} = 15.5$ dBm were obtained in the two-tier module across the 2-18 GHz frequency band.

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