

Ka-Band Monolithic GaAs Two-Stage Power Amplifier

Y. Oda, T. Yoshida, K. Kai, S. Arai and S. Yanagawa. "Ka-Band Monolithic GaAs Two-Stage Power Amplifier." 1989 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 89.1 (1989 [MCS]): 33-36.

A Ka-band monolithic GaAs two-stage power amplifier with 3.6 mm total gate width has been developed. It has delivered an output power at 1 dB gain compression point of 0.56 W with 7.2 dB gain and 15 % power-added efficiency at 28 GHz. The performance obtained may be the highest power/gain yet reported on Ka-band monolithic GaAs amplifiers.

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