

Abstracts

A 12 GHz 1 W GaAs MESFET Amplifier (1979 [MWSYM])

Y. Kadowaki, M. Nakatani, T. Ishii, S. Mitsui and K. Shirahata. "A 12 GHz 1 W GaAs MESFET Amplifier (1979 [MWSYM])." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 486-488.

A simple and convenient method on the design of GaAs MESFET power amplifiers are presented. Based on this method are constructed five-stage MIC amplifiers, which deliver 1 W power outputs at the 12 GHz band. Further brush-up of the power performance is investigated using newly developed flip-chip power MESFETs, resulting in 2 W power output.

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