

# Abstracts

## A K-Band 1 Watt GaAs FET Amplifier

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*J. Sone and Y. Takayama. "A K-Band 1 Watt GaAs FET Amplifier." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 180-182.*

Lumped-element impedance matching techniques were successfully adopted for K-band power GaAs FET amplifiers. The 18 GHz band two-stage amplifier provides 1.05 Watt power output at 1 dB gain compression with 8.1 dB small-signal gain, and 20 GHz band one-stage amplifier has 1.04 Watt power output with 3 dB associated gain.

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