

Abstracts

A K-Band 1 Watt GaAs FET Amplifier

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.

[Return to main document.](#)