

Abstracts

4 GHz 3 Watts FET Amplifier for Digital Transmission

H. Yokouchi, H. Kurematsu, K. Ogawa and H. Ashida. "4 GHz 3 Watts FET Amplifier for Digital Transmission." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 276-279.

A 4 GHz high power FET amplifier for digital transmission is presented. The four-stage amplifier is composed of six amplifier-modules, and has 3 W output with 25 dB gain in linear operation and 6 W output with 22 dB at saturation over the 3.7-4.2 GHz range. In 45 Mbit/sec 8-PSK signal transmission, this amplifier shows approximately 0.1 dB degradation in C/N.

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