

Abstracts

A S-Band High Power Feedback Amplifier

C.-C. Hsieh and E. Strid. "A S-Band High Power Feedback Amplifier." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 182-184.

A 2.0 GHz high power feedback amplifier has been designed and fabricated, which has an RF gain of 34 dB and delivers an output power of 2W with third order IM distortion products down 40 dB from the carrier level. A 10 dB reduction in third order IM distortion products is achieved by applying negative feedback to the power amplifier.

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