

Abstracts

A 10-Watt, C-Band FET Amplifier for TWTA Replacement

P.T. Ho, C.M. Pham and R.L. Mencik. "A 10-Watt, C-Band FET Amplifier for TWTA Replacement." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 128-130.

This paper describes the development and performance of a 10 W, high efficiency FET amplifier to be used in communication satellites for TWTA replacement. This seven-stage MIC power amplifier provides 50 dB gain with DC to RF conversion efficiency of 33.4% at C-band frequency (3.7 to 4.2 GHz).

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