

Abstracts

4-W IMPATT Amplifiers for 6 - 8 GHz 1800CH FM Radio Systems

M. Noguchi, T. Hayasaka and K. Sakamoto. "4-W IMPATT Amplifiers for 6 - 8 GHz 1800CH FM Radio Systems." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 228-230.

A 4-W, 10 dB gain, IMPATT amplifier has been developed by utilizing two Si DDR 2.5W IMPATT diodes in two cascaded stages. This paper describes the analysis of power combining in cascade connection, the construction, the measured results, and the thermal noise evaluation method of this amplifier.

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