

Abstracts

The System/Circuit Interface in IMPATT Diode Applications

J.W. Gewartowski. "The System/Circuit Interface in IMPATT Diode Applications." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 305-305.

Output power amplifiers using IMPATT diodes are now being used in FM radio relay transmitters in order to obtain high overall efficiency, the diodes are operated close to maximum rf output power. Since the noise figure increases monotonically with output power, an optimum tradeoff between power and noise must be sought.

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