

# Abstracts

## IMPATT and Gunn Diode Noise Diagnostics

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*J.R. Ashley. "IMPATT and Gunn Diode Noise Diagnostics." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 310-310.*

In a communications system, the noise performance answer of most significance is the signal to noise ratio at the baseband output from a receiver. This is reflected in the form of the noise specification for components used in communications service. This is a ratio of noise in a 3 kHz bandwidth to the power in a test tone which causes 200 kHz deviation in the transmitter. This 3 kHz bandwidth is swept through the baseband region--typically 50 kHz to 5 MHz.

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