

Abstracts

An IMPATT Pump for a Low Noise Parametric Amplifier

T. Smith, B. Smilowitz, G. Irvin and R. Kaminsky. "An IMPATT Pump for a Low Noise Parametric Amplifier." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 228-230.

Noise measurements have been made on an IMPATT pumped S-band parametric amplifier. For the properly adjusted pump, no significant increase in noise temperature was observed for interfering signal levels up to -40 dBm, 20 MHz from the noise measurement frequency.

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