

Abstracts

Noise Modeling and Measurement Techniques

A. Cappy. "Noise Modeling and Measurement Techniques." 1988 *Transactions on Microwave Theory and Techniques* 36.1 (Jan. 1988 [T-MTT]): 1-10.

The HEMT noise behavior is presented from theoretical and experimental points of view. The general method used in the high-frequency noise analysis is described and the different approximations commonly used in the derivation of the noise parameter expressions are discussed. A comparison between the noise performance of both MESFET's and HEMT's is carried out. The measurement techniques providing the noise figure and the other noise parameters are then described and compared.

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