

Abstracts

A Technique for Predicting Large Signal Performance of a GaAs MESFET (1978 [MWSYM])

H.A. Willing, C. Rauscher and P. de Santis. "A Technique for Predicting Large Signal Performance of a GaAs MESFET (1978 [MWSYM])." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 132-134.

A method is described for accurately predicting nonlinear microwave performance of GaAs MESFET devices. The method utilizes time-domain analysis and is based upon experimentally characterized bias-dependence of device circuit model elements. Precise predictions are made of fundamental and harmonic power levels up to 6 dB of gain compression.

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