

Abstracts

Projected Frequency Limits of GaAs MESFET's (Short Papers)

J.M. Golio and J.R.J. Golio. "Projected Frequency Limits of GaAs MESFET's (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.1 (Jan. 1991 [T-MTT]): 142-146.

Limits to the ultimate frequency performance which can be realized with GaAs MESFET's have been projected. These predictions are based on the reported performance of 137 devices fabricated between 1966 and 1988 and on first-order modeling. The predictions indicate that ultimate maximum frequency of oscillation values may approach 700 GHz while gain-bandwidth product values as high as 200 GHz may be realized.

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