

Abstracts

A Linear Dependence of F_{\min} on Frequency for FET's

B. Hughes. "A Linear Dependence of F_{\min} on Frequency for FET's." 1993 Transactions on Microwave Theory and Techniques 41.6 (Jun./Jul. 1993 [T-MTT]): 979-982.

The minimum noise figure of a FET, expressed in decibels, is shown to increase approximately linearly with frequency to frequencies approaching the FET's F_{\max} . This observation is useful for extrapolating noise figures and provides a simple frequency-of-merit.

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