

Abstracts

Noise in Microwave Transistors

W. Baechtold and M.J.O. Strutt. "Noise in Microwave Transistors." 1968 Transactions on Microwave Theory and Techniques 16.9 (Sep. 1968 [T-MTT] (Special Issue on Noise)): 578-585.

Details of noise measurement techniques in the L- and S-bands are discussed. The complete noise parameters of microwave transistors are presented in the frequency range 0.6 to 4.2 GHz. Noise figure, available power gain, and noise measure are shown as a function of the source admittance and of the source reflection coefficient. The equivalent circuit and the noise figure of a microwave transistor are evaluated using an analog model.

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