

Abstracts

The Exact Noise Figure of Amplifiers with Parallel Feedback and Lossy Matching Circuits (Short Papers)

K.B. Niclas. "The Exact Noise Figure of Amplifiers with Parallel Feedback and Lossy Matching Circuits (Short Papers)." 1982 Transactions on Microwave Theory and Techniques 30.5 (May 1982 [T-MTT]): 832-835.

Exact formulas for the noise parameters and noise figure of amplifiers with parallel feedback and lossy input and output matching circuits are derived. The formulas which take into account the thermal agitation of all circuit elements are applicable to feedback and lossy match amplifiers, as well as amplifiers that employ both principles simultaneously.

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