Abstracts

Low noise first-order active recursive filter

H. Ezzedine, W. Mouzannar, L. Billonnet, B. Jarry and P. Guillon. "Low noise first-order active recursive filter." 1999 Radio Frequency Integrated Circuits (RFIC) Symposium 99. (1999 [RFIC]): 171-174.

In this paper, a MMIC active recursive filter has been implemented at X-band. A noise wave formalism is used to calculate the gain and coupling values which permit us to obtain the lowest noise figure. Layout, simulated and measured results are presented to validate our analysis.

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