

The noise figure of a **sampling mixer**: Theory and measurement

P Eriksson, H Tenhunen - ICECS'99. Proceedings of ICECS'99 ..., 1999 - [ieeexplore.ieee.org](#)

... The concept of noise figure as applied to a **sampling mixer**, based on a track and hold circuit, ... Measurements are made on a **sampling mixer** implemented in a 0.6 μ m CMOS process to ...

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Design of **sampling mixer** and A/D converter for high IF digitization

S Sen - 1997 - [uwspace.uwaterloo.ca](#)

... distortion in high frequency MOS **sampling mixer** circuits. It departs from traditional analysis for ... and analyzed separately for the topplate **sampling mixer**: the time-invariant distortion valid ...

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Fundamental, harmonic and sampling MESFET mixer circuits

D Neuf - *Microwave Journal*, 1995 - [go.gale.com](#)

... Using **sampling mixer** circuits the amplitude of any repetitive ... Figure 7 shows the **sampling mixer** concept. If the switching action (... In other **sampling mixer** applications, the multiples of the ...

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Noise analysis for sampling mixers using stochastic differential equations

W Yu, BH Leung - *IEEE Transactions on Circuits and Systems II* ..., 1999 - [ieeexplore.ieee.org](#)

... for the **sampling mixer**. Noise enters a circuit via various paths. In a **sampling mixer**, noise may ... We consider a **sampling mixer** which consists of a MOS transistor followed by a sampling ...

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Distortion and noise performance of bottom-plate sampling mixers

W Yu, B Leung - ... *IEEE International Symposium on Circuits and ...*, 1998 - [ieeexplore.ieee.org](#)

... To see that this circuit operates as a **sampling mixer**, we can model the transistors as simple switches. As the bottom transistor turns off, it fixes the amount of charge on the capacitor $C_{\text{...}}$...

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A novel highly linear 1 GHz switched-current sub-sampling mixer

WH Toole, EI El-Masry, T Manku - 1996 *IEEE International ...*, 1996 - [ieeexplore.ieee.org](#)

... a sub-**sampling mixer** and presents some preliminary simulation results. The results show that a SI sub-**sampling mixer** is feasible and offers excellent linearity and good dynamic range. ...

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Time varying Volterra series and its application to the distortion analysis of a **sampling mixer**

W Yu, S Sen, B Leung - ... of 40th Midwest Symposium on Circuits ..., 1997 - [ieeexplore.ieee.org](#)

... DISTORTION IN A **SAMPLING MIXER** We consider a **sampling mixer** which consists of a ... We now analyze the **sampling mixer** using time invariant Volterra series. The MOS transistor ...

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Determination of schottky diode **sampling mixer** frequency response from diode conductance waveforms

GG Raleigh, JV Bellantoni - *IEEE transactions on microwave ...*, 1993 - [ieeexplore.ieee.org](#)

... The IF output port of a **sampling mixer** provides a frequency ... However, in many practical **sampling mixer** implementations, ... the behavior of Schottky diode **sampling mixer** circuits. The ...

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Distortion analysis of MOS track-and-hold sampling mixers using time-varying Volterra series

W Yu, S Sen, BH Leung - ... *on Circuits and Systems II: Analog ...*, 1999 - [ieeexplore.ieee.org](#)

... We now analyze harmonic distortion of an ideal **sampling mixer** using the continuous-time model by calculating its Volterra coefficients. First, it can be shown by a Volterra analysis that ...

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Micropower RF transponder with superregenerative receiver and RF receiver with **sampling mixer**

TE McEwan - 1997 - [osti.gov](#)

A micropower RF transponder employs a novel adaptation of the superregenerative receiver wherein the quench oscillator is external to the regenerative transistor. The quench ...

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