

# Abstracts

## Design of high performances Gilbert-cell mixers for GSM/DCS front-ends

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S. Colomines, T. Amaud, R. Plana, T. Parra and J. Graffeuil. "Design of high performances Gilbert-cell mixers for GSM/DCS front-ends." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 143-146.

This paper reports an original design methodology for low voltage high performances Gilbert mixers in the DCS range. We present for the first time a real BiCMOS structure featuring +10.6 dB conversion gain, +6.7 dBm TP3, 10.3 DSB noise figure under a 2.2 V supply voltage, which is among the best results ever reported.

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