

## Multilayer passive components for uniplanar Si/SiGe MMICs (1997 [RFIC])

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*T. Gokdemir, U. Karacaoglu, D. Budimir, S.B. Economides, A. Khalid, A.A. Rezazadeh and I.D. Robertson. "Multilayer passive components for uniplanar Si/SiGe MMICs (1997 [RFIC])." 1997 Radio Frequency Integrated Circuits (RFIC) Symposium 97. (1997 [RFIC]): 233-236.*

This paper describes results for novel multilayer passive components, fabricated on silicon substrates for Si/SiGe uniplanar MMICs. Results are compared for high resistivity silicon, high resistivity silicon with an added polyimide layer, and silicon with silicon dioxide (to represent SOI bonded silicon technology). The components that have been characterized include CPW and TFMS transmission lines and couplers, inductors, capacitors, and planar transformers.

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