

# Abstracts

## Low loss passive microwave components in standard silicon technology

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*H. Berg, H. Jacobsson, T. Lewin, K. Berg, A. Schuppen and S. Gevorgian. "Low loss passive microwave components in standard silicon technology." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 1153-1156.*

Experimental performances of coplanar strips (CPS), lumped inductor coils, baluns and LC resonators are presented in a wide frequency band. All these components are made in low resistivity ( $\rho < 20 \Omega \text{ cm}$ ) substrates using standard silicon technologies. It is shown that microwave losses in these passive components may be substantially reduced without changes in the standard processing steps.

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