

Abstracts

Low loss passive microwave components in standard silicon technology

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 ($\rho < 20 \text{ } \Omega \cdot \text{cm}$) 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.

 [Return to main document.](#)