

Loss considerations for lumped inductors in silicon MMICs

S. Gevorgyan, O. Oval, B. Hansson, H. Jacobsson and T. Lewin. "Loss considerations for lumped inductors in silicon MMICs." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 859-862 vol.3.

It is shown that in a standard silicon technology the Q-factor of lumped inductors may be increased by design of the cross section of the geometry of the bends and layout. The overall performance depends also on how the terminals of the coils are arranged relative to the ground plane.

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