

Abstracts

Improvement of the quality factor of RF integrated inductors by layout optimization

J.M. Lopez-Villegas, J. Samitier, C. Cane and P. Losantos. "Improvement of the quality factor of RF integrated inductors by layout optimization." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 169-172.

A systematic method to improve the quality factor of RF integrated inductors is proposed. The method is based on the inductor's layout optimization, and has been successfully applied to the design of square spiral inductors performed using a silicon based MCM technology and silicon micromachining post processing.

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