

Abstracts

Modeling of spiral inductors on lossy substrates for RFIC applications (1998 [RFIC])

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"Modeling of spiral inductors on lossy substrates for RFIC applications (1998 [RFIC])." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 313-316.

A modeling technique for planar microstrip spiral inductors in the presence of lossy media, such as in CMOS and bipolar technologies, is presented. The new model for spiral inductors incorporates the frequency dependent substrate effects via analysis of the 'skin-effect' mode of the microstrip structure.

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