

Abstracts

New Approach to the Design of Active Floating Inductors in MMIC Technology

S.G. El Khoury. "New Approach to the Design of Active Floating Inductors in MMIC Technology." 1996 *Transactions on Microwave Theory and Techniques* 44.4 (Apr. 1996 [T-MTT]): 505-512.

An original method for the determination of all possible inductive circuits as a function of the number of field-effect transistors (FET's) used is described in this paper. The method is of general use in monolithic microwave integrated circuits. Circuits with large inductance, either positive or negative in value, can be obtained along with low loss or even negative resistance.

[Return to main document.](#)