Abstracts

A New Transmission Line Approach for Designing Spiral Microstrip Inductors for Microwave Integrated Circuits

D. Cahana. "A New Transmission Line Approach for Designing Spiral Microstrip Inductors for Microwave Integrated Circuits." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 245-247.

Spiral microstrip inductors with up to two full turns have been modeled by using parallel coupled and single transmission lines. With this method, the electrical characteristics of these inductors, which may be fabricated as elements of MIC and MMIC circuits, can be designed for reactance up to 200 ohms with a maximum error of 15 percent for frequencies up to the K/sub u/ band.

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