

Abstracts

Air-gap stacked spiral inductor

Seung Won Paek and Kwang Seok Seo. "Air-gap stacked spiral inductor." 1997 Microwave and Guided Wave Letters 7.10 (Oct. 1997 [MGWL]): 329-331.

In this letter, we propose an air-gap stacked spiral inductor using air-bridge technology. By stacking metal lines, inductor area can be reduced by 25%-5% compared with conventional spiral inductors. The air-gap structure yields low parasitic capacitance, so that the resonance frequency is higher than that of conventional inductor in spite of the reduced interwire distance.

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