

Abstracts

Interdigital Capacitors for Use in Lumped-Element Microwave Integrated Circuits

G.D. Alley. "Interdigital Capacitors for Use in Lumped-Element Microwave Integrated Circuits." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 7-13.

An analysis of the frequency response of interdigital capacitors is given along with an equation for their design. The capacitor Q is given in terms of its geometry which consists of a planar interdigital conductor deposited on the surface of a substrate. Capacitance values ranging from 0.1 to 10 pF at L band with measured Q 's in excess of 400 are realizable.

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