

Abstracts

MIM Capacitor Modeling: A Planar Approach (Short Papers)

G. Bartolucci, F. Giannini, E. Limiti and S.P. Marsh. "MIM Capacitor Modeling: A Planar Approach (Short Papers)." 1995 Transactions on Microwave Theory and Techniques 43.4 (Apr. 1995, Part I [T-MTT]): 901-903.

On the basis of a planar approach, an equivalent circuit model of MMIC overlay capacitors with feeding lines in generic position has been derived. Closed expressions for the equivalent circuit elements are presented. The validity of the proposed circuit has been successfully tested with experimental data. Its simplicity and flexibility makes it attractive for implementation in CAD packages.

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