

Abstracts

Circuit based model for coupling between MMICs in multi-chip assemblies

R.W. Jackson and Zhaoyang Wang. "Circuit based model for coupling between MMICs in multi-chip assemblies." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1377-1380.

This paper describes a circuit model for the approximate determination of the coupling between MMICs in a multichip module. The model is developed from basic electromagnetics and relies on averages of the currents on the various MMICs. The technique is suitable for use in layout based circuit simulators and uses no numerical electromagnetics.

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