

Abstracts

Centering and Tolerancing the Components of Microwave Amplifiers

A. McFarland, J. Purviance, D. Loescher, K. Diegert and T. Ferguson. "Centering and Tolerancing the Components of Microwave Amplifiers." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 633-636.

A simple graphical statistical method of circuit design centering and tolerancing for a desired circuit manufacturing yield is presented. The method is iterative and based on a parametric study of circuit yield estimates using Monte Carlo circuit analysis. Circuit elements including device s-parameters and distributed parameters as well as lumped components are considered. An application of this method is given in an example.

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