Abstracts

Computation of Lumped Microstrip Capacities by Matrix Methods---Rectangular Sections and End Effect (Correspondence)

A. Farrar and A.T. Adams. "Computation of Lumped Microstrip Capacities by Matrix Methods---Rectangular Sections and End Effect (Correspondence)." 1971 Transactions on Microwave Theory and Techniques 19.5 (May 1971 [T-MTT]): 495-497.

The method of moments is applied to three-dimensional microstrip problems to calculate lumped (or excess) capacitance. As examples, the capacitance of open-circuited microstrip lines and the capacitance of rectangular microstrip sections are computed. The open-circuit data are basic to any three-dimensional problem. The method is a general one and can be used to compute the lumped capacitance of any microstrip discontinuity, such as bends and T junctions.

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