Abstracts

Analysis and Modelng of Coupled Right Angle Microstrip Bend Discontinuities

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Various coupled right angle microstrip bends encountered in microwave integrated circuits can be modeled in terms of four port networks consisting of equivalent excess discontinuity self and mutual inductances and capacitances associated with the coupled bends. Coupling parameters of two frequently encountered microstrip right angle bend configurations are computed by employing an iterative technique in a moment method formulation. The simulation of a rectangular spiral inductor is included to demonstrate the coupling effect of the investigated discontinuities.

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