Abstracts

Methodology for creating embedded transmission line 90/spl deg/ bend and shunt capacitor models

B. Heimer and T. Budka. "Methodology for creating embedded transmission line 90/spl deg/ bend and shunt capacitor models." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1297-1300.

This paper describes a technique for creating embedded transmission line (ETL) 90/spl deg/ bend and high current handling shunt capacitor models for monolithic microwave integrated circuits (MMICs). This procedure is generally applicable and may be used to develop working scaleable models for new MMIC topologies. Using the method outlined below, a unique design library may be easily constructed to offer a more complete and accurate modeling capability than may be presently available with commercial microwave CAD tools.

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