

Abstracts

A Generalized Model for Coupled Lines and its Application to Planar Balun Synthesis

C.M. Tsai and K.C. Gupta. "A Generalized Model for Coupled Lines and its Application to Planar Balun Synthesis." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 873-876.

A network model for unsymmetrical and inhomogeneous coupled lines has been derived based on normal mode parameters. This model is useful for synthesis of single and multi-layer coupled line circuits. As an example, the model is used for synthesis of a planar balun configuration. The synthesis procedure is verified by comparison with the analysis results.

 [Return to main document.](#)