

Abstracts

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

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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.

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