Abstracts

A Generalized Model for Coupled Lines and its Applications to Two-Layer Planar Circuits (Comments)

In the above paper, a condition is derived for infinite directivity of a coupler using asymmetrical coupled lines in an inhomogeneous medium. The condition is stated as in the paper of Tsai and Gupta and derived in their Appendix I. This condition is a logical consequence of the assumption of infinite isolation, but it is nowhere proven that the reverse is true, i.e., that condition leads to infinite isolation.

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