

Abstracts

Equivalent Representation of an Abrupt Impedance Step in Microstrip Line (Short Papers)

R. Horton. "Equivalent Representation of an Abrupt Impedance Step in Microstrip Line (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.8 (Aug. 1973 [T-MTT]): 562-564.

The equivalent electrical lengths of uniform microstrip line associated with an abrupt impedance step are first evaluated, under static assumptions. The importance of these results in establishing a reference plane for the step, and in the application of calculations of capacitance associated with the step, is then demonstrated. Furthermore, some interesting dualities are discerned from the results.

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