

Abstracts

Static Analysis of V Transmission Lines

J.E. Schutt-Aine. "Static Analysis of V Transmission Lines." 1992 Transactions on Microwave Theory and Techniques 40.4 (Apr. 1992 [T-MTT]): 659-664.

In this paper, the v-shaped transmission line is analyzed. The structure consists of a signal strip resting on a dielectric above a triangular reference. A static analysis is performed using the moment method to determine the quasi-TEM propagation parameters. The purpose of this study is to determine the basic electrical properties of the geometry and evaluate the differences from the microstrip configuration. Theoretical results are presented and, in the case of single lines measurements are performed and compare with theoretical predictions.

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