Abstracts

Analysis of a Shielded Microstrip Line with Finite Metallization Thickness by the Boundary Element Method (Short Papers)

T.-N. Chang and C.-H. Tan. "Analysis of a Shielded Microstrip Line with Finite Metallization Thickness by the Boundary Element Method (Short Papers)." 1990 Transactions on Microwave Theory and Techniques 38.8 (Aug. 1990 [T-MTT]): 1130-1132.

A boundary element method is presented for the quasistatic analysis of a shielded microstrip line with finite metallization thickness. The analysis is based on the solution of a system of boundary integral equations, which are derived from Green's second identity. Numerical results for the charge distribution along the strip and the effects of metallization thickness on line characteristics are presented. The results show good agreement with data available in the literature.

❑ Return to main document.