Abstracts

Analysis of Multiple-Strip Discontinuity in a Rectangular Waveguide

The paper considers the problem of an arbitrary number of thin, transverse, and metallic strips located in the cross section of a rectangular waveguide. The strips can either be inductive or capacitive and are arbitrarily located. Equivalence theorem is utilized, in conjunction with appropriate boundary conditions, to set up an integral equation which is then solved using the method of moments. The method is applied to a number of test problems and the numerical results show good agreement with the available data.

❑ Return to main document.