

Abstracts

Modelling Multiple Discontinuities in Rectangular Waveguide Partially Filled with Non-Reciprocal Ferrites

M.A. Solano, A. Vegas and A. Prieto. "Modelling Multiple Discontinuities in Rectangular Waveguide Partially Filled with Non-Reciprocal Ferrites." 1993 Transactions on Microwave Theory and Techniques 41.5 (May 1993 [T-MTT]): 797-802.

This work analyzes multiple 3-D discontinuities between rectangular ferrite-loaded waveguides. Each uniform section of waveguide is analyzed by means of Schelkunoff's method with improved convergence. Combining this method with the mode matching method allows the analysis of multiple discontinuities to be simplified. The theoretical results obtained in this way agree quite well with measurements.

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