

Abstracts

Analysis of Slot-Coupled Double-Sided Cylindrical Microstrip Lines (Short Papers)

J.-H. Lu and K.-L. Wong. "Analysis of Slot-Coupled Double-Sided Cylindrical Microstrip Lines (Short Papers)." 1996 Transactions on Microwave Theory and Techniques 44.7 (Jul. 1996, Part I [T-MTT]): 1167-1170.

The problem of double-sided cylindrical microstrip lines coupled through a rectangular slot in the common cylindrical ground plane is studied using the reciprocity theorem and a moment-method calculation. Theoretical results of the S parameters for the slot-coupled cylindrical microstrip lines are calculated and analyzed. Experiments are also conducted to verify the theoretical results.

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