

Abstracts

Admittance Calculation of a Slot in the Shield of a Multiconductor Transmission Line (Short Papers)

R.G. Plumb. "Admittance Calculation of a Slot in the Shield of a Multiconductor Transmission Line (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.4 (Apr. 1991 [T-MTT]): 743-747.

The admittance calculation for a narrow slot in the conducting shield of a multiconductor transmission line is presented. The admittance represents a generalized admittance resulting from an asymptotic, one-term moment method solution and is approximated using transmission line theory. The calculated admittance is useful in modeling connectors for multiconductor transmission lines. Some useful impedance calculations for multiconductor transmission lines are developed.

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