



CHAIR OF ELECTROMAGNETIC COMPATIBILITY

Evaluation of the per-unit-length parameters and characteristic impedance for multiconductor transmission line structures

Background and problem: Transmission lines are important coupling paths of external radiated electromagnetic disturbances into connected devices and systems. Often, there is not only just one single line acting as antenna, rather a collection of several wirers forming a multiconductor transmission line. The electrical characteristics of a transmission line include, in addition to the characteristic impedance, the so-called per-unit-length parameters. For EMC-modelling it is important to know these parameters

Task: Find suitable models for the description of a line and its per-unit-length parameters. The main objective of this work is literature research.

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◀ Vorherige Meldung

Nächste Meldung ▶