

Abstracts

A Method for Obtaining Dispersion Characteristics of Shielded Microstrip Lines

Q. Lanfen and G. Changqing. "A Method for Obtaining Dispersion Characteristics of Shielded Microstrip Lines." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 399-402.

The properties of shielded microstrip lines are analyzed by the method of equivalent network, which properly takes into account the hybrid nature of the guided waves. The effective dielectric constants and characteristic impedances of microstrip lines are obtained to illustrate the effects of the size of the waveguide crosssection. Numerical results obtained are shown to be in good agreement with available data in the literature.

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