

Dispersion Characteristics of Open Microstrip Lines

M. Kobayashi and F. Ando. "Dispersion Characteristics of Open Microstrip Lines." 1987 Transactions on Microwave Theory and Techniques 35.2 (Feb. 1987 [T-MTT]): 101-105.

A method based on spectral-domain analysis is derived to compute effectively and automatically the effective relative permittivity of an open microstrip line. Simple but accurate closed-form expressions are used as the basis functions of the longitudinal and transverse current distributions. The numerical results are shown in tables and figures for various cases and compared with other available results. The results presented here are seen as having a high degree of accuracy and may be used as reference standards,

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