

Abstracts

Synthesis Equations for Shielded Suspended Substrate Microstrip Line and Broadside-Coupled Stripline

W. Yunyi, G. Kaijun and S. Yonghui. "Synthesis Equations for Shielded Suspended Substrate Microstrip Line and Broadside-Coupled Stripline." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. 1 [MWSYM]): 331-334.

Simple and explicit equations for synthesis of shielded suspended substrate microstrip line (SSL) and broadside-coupled stripline (BSCL) are presented, valid over a practical application range of structural parameters and dielectric constants of substrate in common use. By comparison of the results obtained using developed synthesis equations with those obtained using SUPER COMPACT (for SSL) and finite-difference method (for BSCL), the accuracy is found to be within $\pm 3\%$ and $\pm 3.5\%$, respectively.

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