Abstracts

Dispersion and radiation characteristics of conductor-backed CPW with finite ground width

W. Heinrich, F. Schnieder and T. Tischler. "Dispersion and radiation characteristics of conductor-backed CPW with finite ground width." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1663-1666.

Dispersion and radiation properties of the conductor-backed CPW are studied. A frequency-domain finite-difference method using the PML absorbing boundary condition is used. The different types of higher-order modes are identified and design rules to avoid parasitic effects are given. Radiation is found to be considerably smaller than for infinite ground width.

❑ Return to main document.