

Abstracts

Two Conductor-Backed Configurations of Slotline or Coplanar Waveguide for Elimination or Suppression of the Power-Leakage Problem

N.K. Das. "Two Conductor-Backed Configurations of Slotline or Coplanar Waveguide for Elimination or Suppression of the Power-Leakage Problem." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. 1 [MWSYM]): 153-156.

Two conductor-backed configurations of slotline or coplanar waveguide, coupled underneath to a finite-width dielectric-guide structure, and with shorting pins, are analyzed. These geometries can eliminate or suppress the unwanted parallel-plate leakage problem commonly encountered in conductor-backed geometries. A rigorous analysis of the leakage-suppression in these conductor-backed geometries is outlined, with discussion of selected demonstrative results.

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