

Abstracts

Coplanar-waveguide-to-microstrip transition model

W. Wiatr, D.K. Walker and D.F. Williams. "Coplanar-waveguide-to-microstrip transition model." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1797-1800.

We develop a novel four-port equivalent circuit for a coplanar-waveguide-to-microstrip transition using a finite-difference time-domain analysis. The lumped model accounts for mutual inductive coupling and works well up to about 30 GHz.

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