

# Abstracts

## Modelling of Cascaded Coplanar Waveguide Discontinuities by the Mode-Matching Approach

---

*R. Schmidt and P. Russer. "Modelling of Cascaded Coplanar Waveguide Discontinuities by the Mode-Matching Approach." 1995 MTT-S International Microwave Symposium Digest 95.1 (1995 Vol. 1 [MWSYM]): 281-284.*

Cascaded coplanar waveguide discontinuities with transverse dimensions in the order of some micrometers are analyzed by the mode-matching approach based on a full-wave analysis of the electromagnetic field also in the metallic regions. Compared with full-wave analysis assuming perfect conductors and a subsequent loss computation based on the surface impedance model the accuracy is considerably enhanced.

[Return to main document.](#)