

# Abstracts

## Influence of conductor loss and thickness in coplanar circuit elements

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*L. Vietzorreck and W. Pascher. "Influence of conductor loss and thickness in coplanar circuit elements." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1811-1814.*

The small dimensions of CPWs require due consideration of finite conductivity and metallization thickness. For this purpose an efficient Method of Lines approach for full-wave analysis of microstrip discontinuities is considerably extended. Two alternative loss models are employed depending on the skin depth. Several cascaded coplanar discontinuities including a quarterwave transformer and a double step are characterized.

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