

# Abstracts

## Transient Analysis of Distortion and Coupling in Lossy Coupled Microstrips (1990 Vol. II [MWSYM])

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*J.P. Gilb and C.A. Balanis. "Transient Analysis of Distortion and Coupling in Lossy Coupled Microstrips (1990 Vol. II [MWSYM])." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 641-644.*

The transient response of lossy coupled microstrips is studied using the Spectral Domain Approach (SDA) to rigorously compute the dielectric losses. Transient coupling is formulated in the frequency domain using an even/odd mode approach. Results for pulse distortion on a semiconducting substrate are presented showing how losses reduce the signal amplitude without significantly distorting the shape.

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