

# Abstracts

## **The Feature of the Narrow-Pulse Transmission on Conventional Coplanar Waveguides when Power Leakage is Present (1992 Vol. II [MWSYM])**

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*M. Tsuji and H. Shigesawa. "The Feature of the Narrow-Pulse Transmission on Conventional Coplanar Waveguides when Power Leakage is Present (1992 Vol. II [MWSYM])." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 991-994.*

We investigate the feature of the waveform deformation and the unexpected cross talk caused by the effect of the dominant-mode power leakage that most of printed-circuit waveguides reveal, when narrow pulse is transmitted. Numerical examples for conventional coplanar waveguides prove that such a feature has serious influence on high-speed circuit design.

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