# Abstracts

## The Coplanar Waveguides with Finite Metal Thickness and Conductivity

*J.-Y. Ke and C.H. Chen. "The Coplanar Waveguides with Finite Metal Thickness and Conductivity." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1681-1684.*

A new method of modifying the conventional spectral-domain approach (SDA) is proposed to deal with the coplanar waveguide in which the thickness and conductivity of signal strip and ground planes are finite. With this method, the unknowns are constrained in the slot regions and the CPU time may be much reduced. In this study, the effective dielectric constant and attenuation constant are carefully studied.

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