

# Abstracts

## An Equivalent Circuit Model for the Coplanar Waveguide Step Discontinuity

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*C. Sinclair and S.J. Nightingale. "An Equivalent Circuit Model for the Coplanar Waveguide Step Discontinuity." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1461-1464.*

An approximate analytical model for the CPW Step Discontinuity is presented which includes a lumped shunt capacitance as the dominant effect. However, the magnitude is much lower than previously published work. Good agreement is obtained with data from extensive 3-D field simulations, and verified by a limited number of measurements on alumina.

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