

Abstracts

Modeling of Some Coplanar Waveguide Discontinuities (1988 Vol. I [MWSYM])

R.N. Simons and G.E. Ponchak. "Modeling of Some Coplanar Waveguide Discontinuities (1988 Vol. I [MWSYM])." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 297-300.

The paper presents lumped equivalent circuit models for several coplanar waveguide discontinuities such as an open circuit, a series gap, and a symmetric step, and their element values as a function of the discontinuity physical dimensions. The model element values are de-embedded from measured S-parameters. The frequency dependence of the effective dielectric constant was measured and compared to computed values.

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