

Abstracts

Microstrip Discontinuities on Cylindrical Surfaces

J. Huang, R. Vahldieck and H. Jin. "Microstrip Discontinuities on Cylindrical Surfaces." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1299-1302.

S-parameter analysis of microstrip discontinuities on cylindrical dielectric surfaces is presented using the full-wave frequency-domain TLM method. Microstrip step and gap discontinuities on the same side of the substrate as well as overlay coupling of two microstrip lines on opposite sides of the substrate are investigated. The finite conductor thickness is taken into account as well as the interaction of higher order modes between cascaded discontinuities.

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