Abstracts

Transmission Properties of a Right-Angle Microstrip Bend with and without a Miter (Short Papers)

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Based on the waveguide model, the transmission properties of a microstrip bend with and without a miter are investigated using the Green's theorem approach. Unlike the conventional mode-matching technique, this approach does not require a modal description of fields inside the discontinuity region. Scattering parameters for the bend are presented. They agree well with the quasi-static results at low frequencies. Significant improvement in the transmission properties is observed for the bend with a miter.

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