

Abstracts

New Propagation Effects for the Inverted Strip Dielectric Waveguide for Millimeter Waves

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The existing theory for the inverted strip dielectric waveguide neglects the presence of additional constituent modes and the coupling between them at the strip sides. An improved theory which accounts for these features reveals interesting unanticipated physical effects, including leakage, resonances, mode coupling and modifications in transvers field distributions.

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