

# Abstracts

## Planar Dielectric Strip Waveguide for Millimeter-Wave Integrated Circuits

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*T.T. Fong and S.W. Lee. "Planar Dielectric Strip Waveguide for Millimeter-Wave Integrated Circuits." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 191-194.*

A modal analysis based on the transverse resonance concept is presented for a planar dielectric strip waveguide which exhibits good guiding properties and is particularly applicable to millimeter-wave integrated circuits. Numerical results are given for the dispersion characteristics and modal field distributions for high resistivity silicon substrate.

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