

Abstracts

Cutoff Wavenumbers and Modes for Annular-Cross-Section Waveguide with Eccentric Inner Conductor of Small Radius

M. Davidovitz and Y.T. Lo. "Cutoff Wavenumbers and Modes for Annular-Cross-Section Waveguide with Eccentric Inner Conductor of Small Radius." 1987 Transactions on Microwave Theory and Techniques 35.5 (May 1987 [T-MTT]): 510-515.

Analytical expressions are derived for the cutoff wavenumbers and the corresponding modes in annular-cross-section waveguides having inner conductors of small radius. Waveguides with circular and rectangular outer boundary are considered. In the case of the circular eccentric annular waveguide, comparison is made between the values of cutoff wavenumbers computed from the expressions derived in this paper and data obtained by a more rigorous numerical technique.

[Return to main document.](#)