Abstracts

Intensity and Distribution of Hybrid-Mode Fields in Dielectric-Loaded Waveguides

K.A. Zaki and C. Chen. "Intensity and Distribution of Hybrid-Mode Fields in Dielectric-Loaded Waveguides." 1985 Transactions on Microwave Theory and Techniques 33.12 (Dec. 1985 [T-MTT] (1985 Symposium Issue)): 1442-1447.

Plots of the intensity and distribution of the electric and magnetic fields of several propagating and evanescent hybrid modes in dielectric-loaded circular waveguides are derived and presented. These plots have not been reported in the literature before, and can be very valuable in applications using dielectric-loaded waveguides and resonators, including microwave, millimeter-wave, and optical guiding structures.

❑ Return to main document.