

Abstracts

Higher Order Modes in Square Coaxial Lines (Short Papers)

L. Gruner. "Higher Order Modes in Square Coaxial Lines (Short Papers)." 1983 Transactions on Microwave Theory and Techniques 31.9 (Sep. 1983, Part I [T-MTT]): 770-772.

The cutoff frequencies of higher order modes in square coaxial lines are presented and compared with those of circular coaxial lines having the same mean circumference. It is noted that while the characteristics of the dominant TE/sub 10/ mode and the next TE/sub 11/ mode in the square line differ but little from those of their circular counterparts, the same conclusions do not hold in general for the remainder of the mode spectrum.

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