

Abstracts

Higher Order Modes in Rectangular Coaxial Waveguides (Correspondence)

L. Gruner. "Higher Order Modes in Rectangular Coaxial Waveguides (Correspondence)." 1967 *Transactions on Microwave Theory and Techniques* 15.8 (Aug. 1967 [T-MTT]): 483-485.

A precise determination of the characteristic impedance of rectangular coaxial waveguides has been recently undertaken by Cruzan and Garver and it is well known that these structures have many applications in the design of shielded striplines, varactor mounts, etc. While their operation is, in general, confined to the TEM mode, there are instances when higher-order modes must be taken into account; the effect of the latter on striplines has been studied by Oliner, but there appears to be no record of a similar investigation applicable to rectangular coaxial waveguides.

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