

Abstracts

Determination of the Cutoff of the First Higher Order Mode in a Coaxial Line by the Transverse Resonance Technique (Short Papers)

H.E. Green. "Determination of the Cutoff of the First Higher Order Mode in a Coaxial Line by the Transverse Resonance Technique (Short Papers)." 1989 Transactions on Microwave Theory and Techniques 37.10 (Oct. 1989 [T-MTT]): 1652-1653.

This paper uses the transverse resonance technique and static field considerations to determine cutoff for the first higher order mode in a coaxial line. The result, while approximate, agrees very well with the rigorous field-theory solution for all practical coaxial lines. The solution also has an immediate connection with the physics of the problem which makes the result obtained almost obvious.

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