

Abstracts

Phaseshift of Electromagnetic Waves Propagating Through Waveguide Junctions (Correspondence)

D.E. Schumacher and K. Ishii. "Phaseshift of Electromagnetic Waves Propagating Through Waveguide Junctions (Correspondence)." 1963 Transactions on Microwave Theory and Techniques 11.5 (Sep. 1963 [T-MTT]): 449-450.

This work was activated by the lack of information in literature about the effect of an H-plane branch upon electromagnetic waves traveling through the collinear arms of the branch. Most literature about the subject predicts zero degrees phaseshift across the trivial 90° branch or clear expressions of the phaseshift are not made.

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