

# Abstracts

## Note on an E-Plane Waveguide Step with Simultaneous Change of Media (Short Papers)

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*J.P. Montgomery and L. Lewin. "Note on an E-Plane Waveguide Step with Simultaneous Change of Media (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.11 (Nov. 1972 [T-MTT]): 763-764.*

A simple quasi-static formula for the discontinuity susceptance of a 2:1 E-plane waveguide step with a simultaneous change of media is found using the theory of singular integral equations. An important difference from previous solutions by this method comes from the determination of the constants in the solution.

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