

Abstracts

An Additional Relation for "Design of Mode Transducers" (Correspondence)

D.B. Churchill. "An Additional Relation for "Design of Mode Transducers" (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.5 (Sep. 1964 [T-MTT]): 547-548.

Solymar and Eaglesfield, and recently Wolfert, have disclosed analytical methods for designing the contours of tapered waveguide mode transducers to favor the desired modes and suppress the spurious modes. Basically, the methods are similar, but they differ in the selection of the mode weighting functions and in the methods of plotting the cross-sectional boundary contours.

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