

Abstracts

A Simple Analysis of Single- and Double-V-Groove Guides (Short Papers)

S.-F. Li, Z.-X. Shen and X.-M. Lou. "A Simple Analysis of Single- and Double-V-Groove Guides (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.8 (Aug. 1991 [T-MTT]): 1413-1416.

Single- and double-V-groove guides are analyzed by an approach based on a combination of the transverse resonance method and the numerical integration technique. Comparisons between the predicted results and available measured results for a single-V-groove guide show good agreement. The new approach is simple and accurate. Numerical results for the coupling characteristics of a double-V-groove guide are also presented.

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