

Abstracts

Analysis of the Transmission Characteristics of Inhomogeneous Grounded Finlines (Short Papers)

A. Beyer. "Analysis of the Transmission Characteristics of Inhomogeneous Grounded Finlines (Short Papers)." 1985 *Transactions on Microwave Theory and Techniques* 33.2 (Feb. 1985 [T-MTT]): 145-149.

This paper describes a concept for an efficient design of finline tapers that is especially useful in cases when certain quantities have been prescribed with respect to reflection loss and bandwidth. Since abrupt discontinuities are neglected, the analysis is applicable to smooth finline tapers only. Various contour functions are investigated for the taper optimization. Experimental results for optimized tapers confirm the design theory.

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