

# Abstracts

## Multiplicity Line in Cascade Transmission Synthesis--Part II

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*H. Seidel and J. Rosen. "Multiplicity Line in Cascade Transmission Synthesis--Part II." 1965 Transactions on Microwave Theory and Techniques 13.4 (Jul. 1965 [T-MTT]): 398-407.*

The first portion of this paper related to an examination of the synthesis of cascade transmission line structures providing a polynomial insertion loss function phrased in terms of the cosine of an electrical length. Certain features of nonuniqueness of the synthesis were uncovered which, particularly in the case of couplers, lead to a flexibility in design. This portion of the paper includes a specific examination of couplers and concludes with some general comments on transmission line synthesis.

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