

Abstracts

Microwave Allpass Networks--Part I

S.O. Scanlan and J.D. Rhodes. "Microwave Allpass Networks--Part I." 1968 Transactions on Microwave Theory and Techniques 19.2 (Feb. 1968 [T-MTT]): 62-72.

In this paper it is shown that any arbitrary delay characteristic of a commensurate microwave network, which supports a TEM mode of propagation, may be realized by means of a transformerless, coupled-line network within an arbitrary additive constant. The realization procedure presented is based upon the synthesis of microwave C-type and D-type allpass sections.

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