

Abstracts

The Synthesis of Coupled Transmission Line All-Pass Networks in Cascades of 1 to n

W.J.D. Steenaart. "The Synthesis of Coupled Transmission Line All-Pass Networks in Cascades of 1 to n." 1963 Transactions on Microwave Theory and Techniques 11.1 (Jan. 1963 [T-MTT]): 23-29.

A homogeneous coupled line configuration realizing the characteristics of an all-pass network in the distributed network sense is useful for delay equalization in the UHF range. All-pass networks of first and second order are presented, while nth-order networks may be realized directly or built out of first- and second-order networks, analogous to the lumped-constant element network technique.

 [Return to main document.](#)