Abstracts

Multisection Microwave Phase-Shift Network (Correspondence)

B.M. Schiffman. "Multisection Microwave Phase-Shift Network (Correspondence)." 1966 Transactions on Microwave Theory and Techniques 14.4 (Apr. 1966 [T-MTT]): 209-209.

This correspondence extends the analysis of a phase-shift network consisting of a cascade of pairs of coupled transmissions lines together at their far ends (see 1), to any value of n, Such cascaded all-pass networks, also known as microwave C-sections, recently been analyzed by Steenart and Zysman and Matsumoto Cristal has solved the problem of analysis and exact synthesis of cascaded C-sections. Matrix methods are generally used and Richards' theorem is employed, restricting the various coupled sections to have equal lengths. In this analysis, the various sections may have unequal lengths.

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