

Abstracts

Two Nomograms for Coupled-Line Sections for Band-Stop Filters (Correspondence)

B.M. Schiffman. "Two Nomograms for Coupled-Line Sections for Band-Stop Filters (Correspondence)." 1966 Transactions on Microwave Theory and Techniques 14.6 (Jun. 1966 [T-MTT]): 297-299.

A common form of microwave band-stop filter consists of open-circuit shunt stubs separated by lengths of transmission line, all one quarter wave long at band center. Two equivalent but more compact types derivable from the former are the spurline and the parallel-coupled resonator form of band-stop filter. Since the process of designing a filter starting with the prototype and ending with practical physical dimensions can be time consuming and tedious, two nomograms are here presented to speed one step that process, viz., conversion of the stub type filter into one containing either spurline or coupled-resonator sections (or both).

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