

Abstracts

The Effectiveness of Component Elements in Commensurate Linelength Filters (Correspondence)

M.C. Horton and R.J. Wenzel. "The Effectiveness of Component Elements in Commensurate Linelength Filters (Correspondence)." 1968 Transactions on Microwave Theory and Techniques 16.8 (Aug. 1968 [T-MTT]): 555-557.

In a recent correspondence, Fraiture and Neiryck have described the improved performance and more convenient element values that can be achieved by incorporating unit elements (ue's) that contribute to the response characteristic in an elliptic-function-type commensurate linelength filter. The purpose of this correspondence is to demonstrate that, for elliptic-function-type filters incorporating unit elements, the filtering potential of a ue used in cascade varies with filter bandwidth and is less effective than that of stub-type elements in achieving rapid cutoff response.

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