

Abstracts

On the Analysis and Design of Spurline Bandstop Filters

C. Nguyen and K. Chang. "On the Analysis and Design of Spurline Bandstop Filters." 1985 *Transactions on Microwave Theory and Techniques* 33.12 (Dec. 1985 [T-MTT] (1985 Symposium Issue)): 1416-1421.

The parameters of general two-coupled lines and symmetric three-coupled lines in an inhomogeneous medium for the lossless case are obtained. The impedance and chain matrices of spurline bandstop filters are derived. One-section spurline bandstop filters with their stopbands centered near 33 GHz have been designed and tested. There is excellent agreement between the experimental results and those predicted theoretically.

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