

# Abstracts

## Narrow-Bandwidth Elliptic-Function Filters

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*I. Rubinstein, R.L. Slevin and A.F. Hinte. "Narrow-Bandwidth Elliptic-Function Filters." 1969 Transactions on Microwave Theory and Techniques 17.12 (Dec. 1969 [T-MTT]): 1108-1115.*

This paper describes the development of a practical circuit for realizing narrow-bandwidth elliptic-function filters at microwave frequencies. The design procedure is presented for TEM filters of any bandwidth up to about 10 percent. Experimental verification of the low-loss feature of the elliptic-function response is demonstrated with measured data on 1-percent-bandwidth strip-transmission-line S-band filters.

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