

Abstracts

Small Elliptic-Function Lowpass Filters

R.J. Wenzel. "Small Elliptic-Function Lowpass Filters." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 66-70.

A type of elliptic-function filter is described that is easy to design and construct, has low passband loss, and is very compact. With simple scaling, a broad range of cutoff frequencies can be obtained with a limited number of standard parts. Experimental results are presented for three filters with cutoff frequencies of 0.75, 1.0, and 1.5 GHz. Each filter occupies a volume of about 0.5 in³.

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