

Abstracts

A Generalized Chebyshev Suspended Substrate Stripline Bandpass Filter

C.I. Mobbs and J.D. Rhodes. "A Generalized Chebyshev Suspended Substrate Stripline Bandpass Filter." 1983 Transactions on Microwave Theory and Techniques 31.5 (May 1983 [T-MTT]): 397-402.

A design method for narrow-band suspended substrate strip-line filters having a true bandpass structure is presented. A generalized Chebyshev low-pass prototype is used, resulting in a convenient form of realization in suspended substrate stripline. A prototype device, designed with the aid of a computer program, is given as an example. Results from this device show that the method of realizing such a filter is viable for many applications and maybe suitable to replace more conventional types of microwave filter realized using TEM-mode resonators.

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