

Abstracts

Folded quarter-wave resonator filters with Chebyshev, flat group delay, or quasi-elliptical function response

Chi-Yang Chang, Cheng-Chung Chen and Hong-Jie Huang. "Folded quarter-wave resonator filters with Chebyshev, flat group delay, or quasi-elliptical function response." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 1609-1612 vol.3.

This paper presents the design and realization of a new class of miniaturized microstrip filters using folded quarter-wave resonators. Various kinds of filter response are realized by proper arrangement of the resonator. The design rules for cross-coupled filters with quasi-elliptical function and flat group delay response are provided. The measured results match theoretical predictions well.

[Return to main document.](#)