

# Abstracts

## Exact Design of Wideband Equal-Ripple Bandpass Filters with Non-Adjacent Resonator Couplings

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*R.J. Wenzel. "Exact Design of Wideband Equal-Ripple Bandpass Filters with Non-Adjacent Resonator Couplings." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 125-127.*

An exact synthesis procedure for equal-ripple bandpass filters with arbitrary amplitude and delay response valid for all bandwidths is presented. The filters are realizable in the form of a multiresonator filter with couplings between non-adjacent resonators. Design constraints imposed by the use of "simple" coupling elements are described and illustrated.

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