

Abstracts

Filters with an almost constant stopband

R.V. Snyder. "Filters with an almost constant stopband." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1645-1648.

We use a resistive-reactive crosscoupling within elliptic high- and low-pass filters to provide sharp-cutoff highpass or lowpass responses, which then reach an almost constant stopband attenuation value a short distance from the passband. This almost-constant stopband is maintained down to DC for highpass types and to at least twice the cutoff frequency for lowpass configurations. Similar resistive-reactive crosscoupling configurations can be used to provide constant stopband levels for bandpass and bandstop networks.

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