

Abstracts

Integration of optimized low-pass filters in band-pass filters for out-of-band improvement (2001 Vol. II [MWSYM])

C. Quendo, C. Person, E. Rius and M. Ney. "Integration of optimized low-pass filters in band-pass filters for out-of-band improvement (2001 Vol. II [MWSYM])." 2001 MTT-S International Microwave Symposium Digest 01.2 (2001 Vol. II [MWSYM]): 1309-1312 vol.2.

We propose an original structure for the design of high performance filters with simultaneously controlled band-pass and band-reject responses. The band-reject response is controlled due to the integration of low-pass structure. Thus, the spurious resonances of the band-pass filter are rejected up to the low-pass filter ones. In this way, we have to optimize the response of the low-pass structure in order to control the out-of-band response of the band-pass filters.

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