

## Band-pass filters with self-filtering resonators: a solution to control spurious resonances

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C. Quendo, J.P. Coupez, C. Person, E. Rius, M. Le Roy and S. Toutain. "Band-pass filters with self-filtering resonators: a solution to control spurious resonances." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1135-1138 vol.3.

We propose original procedures for the design of high performance filters with simultaneously controlled band-pass and band-reject responses. The resonators are described as self-filtering structures and contribute to the in-band and out-of-band transfer function. The control is achieved either by specifying the resonators' synchronization, or by inserting low-pass structures inside resonators.

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