

Abstracts

Highly selective novel MMIC microwave active recursive filter

W. Mouzannar, L. Billonnet, B. Jarry and P. Guillon. "Highly selective novel MMIC microwave active recursive filter." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 39-42.

This paper describes a new original microwave filter design using low frequency recursive concepts and fully integrable in MMIC technology. Our approach offers a convenient way to realize miniature filter circuits for narrowband filtering applications. A 7 GHz fixed center frequency MMIC active bandpass filter with two percent bandwidth is realized and experimental results are presented which validate the accuracy of the novel design methodology.

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