

Abstracts

MMIC Active Bandpass Filter Using Negative Resistance Elements (1995 [MCS])

U. Karacaoglu and I.D. Robertson. "MMIC Active Bandpass Filter Using Negative Resistance Elements (1995 [MCS])." 1995 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 95.1 (1995 [MCS]): 171-174.

This paper describes a monolithic bandpass filter using lumped L-C resonators with single transistor negative resistance elements. The measured response of the filter exhibits a 400 MHz 3dB-bandwidth centered on 4.7 GHz, and has 0 dB insertion loss with only ± 0.1 dB ripple in the pass-band.

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