

# Abstracts

## MMIC Active Bandpass Filter Using Negative Resistance Elements (1995 Vol. I [MWSYM])

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*U. Karacaoglu and I.D. Robertson. "MMIC Active Bandpass Filter Using Negative Resistance Elements (1995 Vol. I [MWSYM])." 1995 MTT-S International Microwave Symposium Digest 95.1 (1995 Vol. I [MWSYM]): 135-138.*

This paper describes a monolithic bandpassfilter 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  $\pm 0.1$  dB ripple in the pass-band.

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