

# Abstracts

## An Octave-Band MMIC Active Filter

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*R.R. Bonetti and A.E. Williams. "An Octave-Band MMIC Active Filter." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 823-826.*

The design, fabrication, and measurement of a GaAs, monolithic, active bandpass filter with a passband from 4 to 8 GHz is described. The circuit uses a set of cascaded lumped- and distributed-element L,C circuits isolated by a feedback amplifier to realize an equivalent fourth-order filter response. The final circuit was fabricated on a 3 x 2-mm GaAs substrate.

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