

# Abstracts

## An MMIC Active Filter with 60-dB Rejection

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*R.R. Bonetti, A.E. Williams, T. Duong, R. Gupta and R. Mott. "An MMIC Active Filter with 60-dB Rejection." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1195-1198.*

The design, fabrication, and characterization of a gallium arsenide (GaAs) monolithic, active, 4-GHz bandpass filter with 60-dB edge-of-band rejection is described herein. A predistorted transfer function is realized by a set of cascaded, lumped, and distributed-element inductance capacitance circuits isolated by two feedback amplifiers. The monolithic microwave integrated circuit consists of two identical 3 x 2-mm GaAs chips.

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