

Narrow-Band MMIC Filters with Automatic Tuning and Q-Factor Control (1993 Vol. I [MWSYM])

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Narrow-band, active MMIC filters are demonstrated at X-band. Results are presented for both band-pass and notch circuits fabricated using standard GaAs MESFET processes. A novel Master-Slave control circuit provides compensation for fluctuations in fabrication process and operating temperature, and it enables the filter to accurately track a reference signal.

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