# Abstracts

## A tunable active MMIC filter for on-chip X-band radar receiver front-ends

*R. Malmqvist, A. Gustafsson, M. Alfredsson and A. Ouacha. "A tunable active MMIC filter for on-chip X-band radar receiver front-ends." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 1907-1910 vol.3.*

A 7.9-9.7 GHz tunable active monolithic microwave integrated circuit (MMIC) filter intended future on-chip X-band radar receiver front-ends is presented together with measured and simulated results. Typical measured filter data over the agile frequency band show a maximum gain of 11-16 dB, a noise figure of 6 dB, an input-referred third order intercept point of 0 dBm and 20-23 dB of out-of-band rejection at 2 GHz below the filter center frequency.

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