

# Abstracts

## Optimized X & Ku Band GaAs MMIC Varactor Tuned FET Oscillators

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*E. Reese, Jr. and J.M. Beall. "Optimized X & Ku Band GaAs MMIC Varactor Tuned FET Oscillators." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. 1 [MWSYM]): 487-490.*

Continuous tuning operation has been achieved in X- and Ku-band monolithic VCOS which operate over an extended temperature range with as much as one octave bandwidth. The use of nonlinear circuit analysis has lead to circuit improvements, including a novel lateral varactor structure realizing better Q.

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