

# Abstracts

## A MIC Phase-Locked Loop Avalanche Oscillator in X Band (Short Papers)

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*J. Salmon. "A MIC Phase-Locked Loop Avalanche Oscillator in X Band (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.4 (Apr. 1974 [T-MTT]): 464-466.*

This short paper describes the design and performances of a MIC phase-locked loop X-band avalanche oscillator. The output power (500 mW/CW), the input reference level (1 mW), the locking time (80 ns), and the simplicity of digital phase control makes it very attractive as a primary element of an active phased array.

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