

# Abstracts

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

---

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.

[Return to main document.](#)