

# Abstracts

## X Band Bulk-Wave Delay Line Stabilized Oscillator

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*Y. Amblard and A. Peyrat. "X Band Bulk-Wave Delay Line Stabilized Oscillator." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 339-342.*

A low noise X band oscillator, stabilized by a microwave delay line discriminator has been designed for Doppler radar applications. It uses a Gunn varactor VCO and a bulk-wave. 5  $\mu$ s delay line. The measured phase noise of this source is Single Sideband dBC of -90 dB in a 1 kHz band at 100 kHz from the Carrier, in fairly good accordance with calculated figures.

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