

# Abstracts

## Varactor Tuned Gunn Oscillators with Wide Tuning Range for the 25 to 75 GHz Frequency Band

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*L.D. Cohen. "Varactor Tuned Gunn Oscillators with Wide Tuning Range for the 25 to 75 GHz Frequency Band." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 177-179.*

Wideband electronic tuning (to 13 GHz) has been achieved at millimeter wavelengths with varactor tuned Gunn oscillators (VCO's) by use of a simple, lumped element circuit. The VCO's operate as fundamental oscillators in the 25 to 40 GHz band and as second harmonic oscillators in the 50 to 75 GHz band.

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