

Abstracts

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

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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