

# Abstracts

## Millimeter-Wave, Lumped-Element, Gunn VCO's with Ultrawideband (20 GHz) Tuning

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*L.D. Cohen and E. Sard. "Millimeter-Wave, Lumped-Element, Gunn VCO's with Ultrawideband (20 GHz) Tuning." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1287-1290.*

A new millimeter-wave Gunn VCO with ultrawideband tuning has been developed and modeled. The VCO is tuned at its reactively terminated fundamental frequency and output is obtained from the in-situ generated Gunn diode second harmonic. Measured state-of-the-art performance includes continuous tuning from 46 to 66 GHz, a 20-GHz tuning range, with a maximum power output of +6 dBm.

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