

## Injection-Locked Oscillator Chain: A Possible Solution to Millimeter-Wave MMIC Synthesizers (1996 Vol. II [MWSYM])

---

*K. Kamogawa, T. Tokumitsu and M. Aikawa. "Injection-Locked Oscillator Chain: A Possible Solution to Millimeter-Wave MMIC Synthesizers (1996 Vol. II [MWSYM])." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 517-520.*

An injection-locked oscillator (ILO) MMIC chain, which cascades low/high frequency-band ILO's, is proposed for simple and cost-effective millimeter-wave local oscillators and synthesizers, and primary 5-GHz-band and 50-GHz-band ILO MMIC's which are injection-locked at subharmonic factors from 1 to 1/16 and from 1 to 1/4 respectively, are demonstrated.

 [Return to main document.](#)