

# Abstracts

## U-Band Shield Suspended-Stripline (SSL) Gunn DRO and VCO (1988 Vol. II [MWSYM])

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*H. Zhen-Qi. "U-Band Shield Suspended-Stripline (SSL) Gunn DRO and VCO (1988 Vol. II [MWSYM])." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 807-810.*

The first mm-wave IC Dielectric Resonator Oscillator (DRO) in SSL has been developed. The DRO in a unique configuration with output power of more than 17dBm and the mechanical tuning range of 1.5GHz at 54GHz has been obtained. A Varactor-Controlled Oscillator (VCO) with output power over 15dBm across the 1000 MHz electronic tuning bandwidth at 53 GHz also has been developed.

[Return to main document.](#)