

# Abstracts

## Millimeter-Wave InP Image Line Self-Mixing Gunn Oscillator

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S. Dixon, Jr. and H. Jacobs. "Millimeter-Wave InP Image Line Self-Mixing Gunn Oscillator." 1981 *Transactions on Microwave Theory and Techniques* 29.9 (Sep. 1981 [T-MTT] (Special Issue on Open Guided Wave Structures)): 958-961.

Indium Phosphide Gunn Diodes have been used to develop self -mixing oscillators in the 60-GHz region using dielectric image line techniques. Experiments have been performed to measure conversion characteristics and minimum detectable signal. Applications are suggested based on minimum detectable signal for systems requiring small size and low cost.

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