

Abstracts

A Tunable High-Power V-Band Gunn Oscillator

C. Sun, E. Benko and J.W. Tully. "A Tunable High-Power V-Band Gunn Oscillator." 1979 Transactions on Microwave Theory and Techniques 27.5 (May 1979 [T-MTT] (Special Issue on Solid-State Microwave/Millimeter-Wave Power Generation, Amplification, and Control)): 512-514.

A method of combining two Gunn devices has been developed in the 50-60-GHz band. A power output of 23.75 dBm with a mechanical tuning range of 6 GHz has been achieved. A varactor-tuned Gunn source with an electronic tuning bandwidth of 200 MHz has also been demonstrated in the V band.

[Return to main document.](#)