

Abstracts

A Single-Tuned Oscillator Circuit for Gunn Diode Characterizations (Short Papers)

P.W. Dorman. "A Single-Tuned Oscillator Circuit for Gunn Diode Characterizations (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.10 (Oct. 1972 [T-MTT]): 701-702.

A Gunn diode oscillator circuit with predictable performance has been developed based on a concept already shown to be practical with IMPATT diodes. Frequency jumps, multifrequency output, and tuning difficulties are eliminated without sacrificing circuit efficiency. The circuit is quite versatile and well suited for Gunn diode characterizations.

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