

Abstracts

Analysis of Waveguide IMPATT Oscillator Circuits

B.D. Bates and P.J. Khan. "Analysis of Waveguide IMPATT Oscillator Circuits." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 232-234.

The Kurokawa oscillator theory is applied to IMPATT oscillator circuits using an accurate non-linear diode equivalent circuit and broadband circuit representations of both rectangular and coaxial waveguiding structures. The analysis considers the influence of harmonic components in the oscillator output.

[Return to main document.](#)