

Abstracts

Monolithic IMPATT Oscillator Characterization

N.-L. Wang and M. Cobb. "Monolithic IMPATT Oscillator Characterization." 1989 Transactions on Microwave Theory and Techniques 37.2 (Feb. 1989 [T-MTT] (Special Issue on Quasi-Planar Millimeter-Wave Components and Subsystems)): 393-399.

Recent interest in monolithic millimeter-wave IMPATT's has generated much activity. However, there have been few measurements to confirm circuit design predictions. Both the high-frequency and the low IMPATT impedance levels make such measurements difficult and inaccurate. In this paper, two useful methods for characterizing the resonator will be described. Theory and experiment will be presented.

 [Return to main document.](#)