

Abstracts

Active IMPATT Diode Parameters Obtained by Computer Reduction of Experimental Data

J.W. Gewartowski and J.E. Morris. "Active IMPATT Diode Parameters Obtained by Computer Reduction of Experimental Data." 1970 Transactions on Microwave Theory and Techniques 18.3 (Mar. 1970 [T-MTT]): 157-161.

This paper describes a method of determining the junction parameters of an IMPATT device from basic microwave measurements through the use of a computer program. The technique, which evaluates the parasitic without the use of substituted impedances, and the computer program are described. Typical small and large signal results obtained on Ge and Si IMPATT devices are presented.

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