

Abstracts

A Comparison of IMPATT Oscillator Power and Frequency Above 100 GHz with Results Derived from Theoretical Models (Short Papers)

B.D. Bates. "A Comparison of IMPATT Oscillator Power and Frequency Above 100 GHz with Results Derived from Theoretical Models (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.10 (Oct. 1984 [T-MTT]): 1394-1398.

A comparison is made of experimentally determined IMPATT oscillator frequency and power characteristics in the 90-140-GHz band with values obtained from detailed theoretical models. The results show encouraging agreement and demonstrate the potential of the modeling approach for oscillator design.

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