

Abstracts

Analysis of a Microwave FET Oscillator Using an Efficient Computer Model for the Device (Short Papers)

A. Madjar. "Analysis of a Microwave FET Oscillator Using an Efficient Computer Model for the Device (Short Papers)." 1982 *Transactions on Microwave Theory and Techniques* 30.6 (Jun. 1982 [T-MTT]): 915-917.

This paper presents a time domain analysis of a microwave 10-GHz FET oscillator, which employs a practical and efficient computer model for the FET. Good agreement is demonstrated between the predicted and measured performance. A sensitivity analysis of the circuit is performed with respect to some of the FET parameters. This is useful information to estimate variation in production.

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