

Abstracts

Non-Linear Modelling and Design of Microwave Mixers

M.I. Sobhy and F. Bassirat. "Non-Linear Modelling and Design of Microwave Mixers." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1111-1114.

A non-linear model of a Schottky diode has been developed which is suitable for application in microwave mixer circuits. The entire mixer circuit was analysed using a general non linear simulation computer program. The results of the measurements prove the validity of the diode model and the accuracy of the non-linear simulation.

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