

Abstracts

A New Model of Step Recovery Diode for CAD

J. Zhang and A. Raisanen. "A New Model of Step Recovery Diode for CAD." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1459-1462.

A new step recovery diode (SRD) model for CAD is developed by considering the voltage ramp in the SRD and using a DC measurement to extract a model parameter. This model can be directly used in commercial circuit simulators for designs of SRD circuits. Examples of using this model to analyse a comb generator and a frequency multiplier are given.

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