

Accurate Millimeter-Wave Large Signal Modeling of Planar Schottky Varactor Diodes

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A large signal model for GaAs Planar Schottky Varactor Diodes (PSVDs) is presented which maintains a high level of accuracy into the millimetric frequency range -- for both forward and reverse bias. Using this new model, the simulated performance for a number of PSVD structures gave accurate predictions up to 40GHz.

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