

Abstracts

Modeling MESFET's for Intermodulation Analysis in RF Switches

R.S. Virk and S.A. Maas. "Modeling MESFET's for Intermodulation Analysis in RF Switches." 1994 Microwave and Guided Wave Letters 4.11 (Nov. 1994 [MGWL]): 376-378.

This paper describes a new model for a resistive GaAs MESFET and its application to calculations of intermodulation distortion in switches. The model uses an expression for the I/V characteristics of the device whose parameters are fit to the static I/V and its derivatives. This new model provides a reliable means of describing the nonlinear distortion generated by a MESFET switch.

 [Return to main document.](#)