

Modelithics News

September 2008

What designers are saying:

The Modelithics models did help achieve first pass success. The 100W Pin Diode Switch worked the first time! Doug Douglas BAE Systems

[Modelithics NLT Library™ v3.0 - adds many new models:](#)

Modelithics, Inc. has released their newest NLT Library™ available for Agilent ADS users. Version 3.0 includes 12 new transistor models from manufacturers such as Avago, Eudyna, Excelics, Hexawave, MIMIX Broadband, MWT, and NEC, including several chip and wire level transistors with built-in bond-wire de-embedding and 2 GaN power transistors.

[Modelithics Releases CLR Library™ for Cadence Spectre RF:](#)

Our newest collection of equivalent circuit models designed for use with Cadence Virtuoso Custom Design Platform (version IC5141) contains 53 part-value scalable, substrate scalable Global models with features such as pad scaling, representation of high-order resonant effects and effective series resistance. Check out the list of components here and while your at it, request a [FREE TRIAL](#).

["Large-Signal LDMOS Model Simulation using Agilent Genesys Software" App Note 030:](#)

This application note guides the user through simulation of DC IV, S-parameters and swept power data of an LDMOS transistor using Agilent Genesys software. The sample LDMOS model used in this application note is a Motorola-Electro-Thermal (MET) model extracted by Modelithics. Measured data comparisons are included to add confidence to the quality of the simulation results.

[Presentations Available for Download from "Closing the Loop" Reception & Seminar Hosted by Modelithics during IEEE MTT-S Week:](#)

As part of its on-going initiative to contribute to simulation based design success, Modelithics hosted a focus group meeting Thursday evening June 19, 2008. The following presentations given by industry experts at this very engaging event are now available for download from the Modelithics website (<http://www.modelithics.com/literature/presentations.htm>):

GaN HEMT Transistors & Application Circuit Examples

Provided by Simon Wood, Cree Inc.

Modeling for Cellular PA Development

Provided by Dr. Steve Maas, Applied Wave Research

High Frequency Planar Electromagnetic Simulation with Surface Mount Devices

Provided by Shawn Carpenter, Sonnet Software, Inc.

Modelithics welcomes NOVACOM Microwave LTD as their United Kingdom Rep:

Modelithics, Inc. announces the appointment of NOVACOM Microwave, LTD, as the corporation's representative covering the United Kingdom (England, Scotland, Ireland, Wales).

Paul Lowbridge: paul.lowbridge@novacom-mwave.com

John Evans: john.evans@novacom-mwave.com

<http://www.novacom-mwave.com>

Understanding Noise Parameter Measurements; App Note 33:

This app note reviews noise parameter measurements used to characterize transistors & amplifiers. Noise figure & noise parameter theory is reviewed briefly with a description of basic test instrumentation setup and calibration procedures fused for noise parameter measurements along with an example.

Update/Patch to CLRv5.1 for MWO Available

Contact support@modelithics.com

For more information and sample models visit:

<http://www.Modelithics.com>

Precision Measurements and Models You Trust