

## *News Release*

### **Contact:**

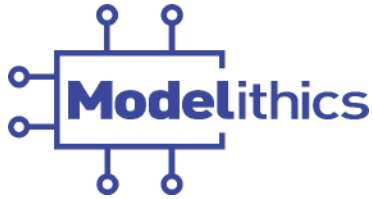
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## **Modelithics Releases High-Accuracy Non-Linear Transistor Library for Applied Wave Research Microwave Office**

*Tampa, Florida —June 9, 2006*

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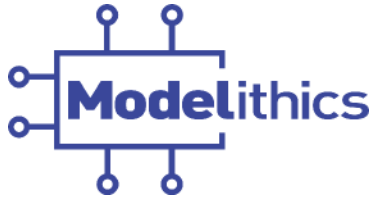
Modelithics, Inc. ([www.modelithics.com](http://www.modelithics.com)) has released a powerful and feature-rich Non-Linear Transistor model Library for Applied Wave Research Microwave Office. The Modelithics NLT Library™ contains a strong collection of well-documented models for improved microwave design simulation. The library consists of high accuracy non-linear and noise models for BJT, HBT, MESFET, HEMT and LD MOS transistors from leading semiconductor manufacturers like Agilent/Avago, Eudyna/Fujitsu, Freescale/Motorola, Infineon, NEC, On-Semi and Philips. Models for other transistors including GaN and on-wafer foundry devices



are available through special ordering. Unique features include substrate scaling, temperature dependence, and combined noise and non-linear modeling.

Substrate-scalable transistor models are valid over a continuous range of substrate thickness and dielectric constant. Temperature dependent models include applicability over a wide range of operating temperatures and include bias-dependent self-heating effects. The models, which now fully integrate with AWR MWO, incorporate bias-dependent factors to describe non-linear I-V and C-V characteristics, predict harmonics and reflect variations with RF power, DC bias as well as source and load impedance. Many are validated against load-pull, TOI and noise parameter measurements, depending on the device and its intended application.

Customers who purchase Modelithics Platinum Maintenance receive free updates, including all new transistors added to the library over the next year. The MWO NLD library complements Modelithics' extensive CLR Library™ of surface-mount capacitor, inductor, and resistor models, and NLD Library™ of non-linear models for Varactor, Schottky and PIN diodes already available for Microwave Office. These models help designers meet stringent schedule and technical requirements for PCB and multi-layer board designs.



For further information and to request a free trial of the Modelithics NLT Library, NLD Library or CLR Library or AWR, contact Modelithics at Sales@Modelithics.com, or click on the free trial link you'll find at:

<http://www.modelithics.com/mvp/AWR/>

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### **About Modelithics, Inc.**

Modelithics, Inc. ([www.Modelithics.com](http://www.Modelithics.com)) was formed in 2001 to address the industry-wide need for high-accuracy RF and microwave active and passive simulation models for use in Electronic Design Automation (EDA). Current products include the *CLR Library™*, which contains measurement-based *Global Models™* for a multitude of commercially-available passive components, the *NLD Library™* (non-linear diode models) and the *NLT Library™* (non-Linear transistor models). Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs.

*Modelithics™, the Modelithics logo, Global Models™, CLR Library™, NLD Library™ and NLT Library™ are trademarks of Modelithics, Inc.*