



## *News Release*

# **Modelithics Announces Modelithics COMPLETE v10.0 for Agilent Technologies' Advanced Design System**

**Contact:**

Lencia Walters  
Sales and Marketing Coordinator  
813.866.6335  
lwalters@modelithics.com

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Modelithics, Inc. ([www.modelithics.com](http://www.modelithics.com)) is pleased to announce the release of Modelithics® COMPLETE Library version 10.0 for Agilent Technologies' Advanced Design System (ADS). With this new release, the Modelithics COMPLETE Library now represents over 8600 individual microwave devices. Version 10.0 introduces over twenty-five (25) new Global Models™ for popular surface mount RLC component families from vendors such as Passive Plus, AVX, Aeroflex, and Chilisin. The Piconics conical inductor models in the CLR library have been upgraded to full equivalent circuit models validated up to 65GHz and addressing multiple mounting configurations. The v10.0 Release also includes new broad-band Global Models for Aeroflex



attenuator families, and four new X-parameters\* models for popular amplifiers from Mini-Circuits and Triquint have been added to the Modelithics System Level Component (SLC) library.

As another new feature, upon designer's request Modelithics has begun adding access to internal voltage and current probes on power transistor models, including a 10 W Nitronex GaN model that is part of the free Modelithics SELECT™ Plus Library. There is an X-parameter model version available in SELECT Plus for this same transistor that can be used to speed up large-signal design optimizations. The latest version of SELECT Plus also includes new broad-band Global Models for two Mini-Circuits attenuator families, with validations through 30 GHz.

Designers can download Modelithics SELECT from [www.modelithics.com](http://www.modelithics.com) and see for themselves why Modelithics libraries are a necessary part of their RF design toolkit. For more information or to request a free full-version trial of the Modelithics COMPLETE Library, contact Modelithics at [Sales@Modelithics.com](mailto:Sales@Modelithics.com), or click on the free trial link you'll find at: <http://www.modelithics.com>.

### **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*<sup>™</sup>, which contains measurement-based *Global Models* for a multitude of commercially-available passive component families, the *NLD Library*<sup>™</sup> (non-linear diode models), the *NLT Library*<sup>™</sup> (non-linear transistor models), and the *SLC Library*<sup>™</sup> (system level component models). Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs.

*Modelithics*<sup>®</sup> is a registered trademark of Modelithics, Inc. *CLR Library*<sup>™</sup>, *NLD Library*<sup>™</sup>, *SLC Library*<sup>™</sup>, and *NLT Library*<sup>™</sup> are also trademarks of Modelithics, Inc.

\*X-parameters is a trademark and registered trademark of Agilent Technologies in the United States, European Union, Japan and elsewhere. The X-parameters format and underlying equations are open and documented. For more information, visit <http://agilent.com/find/eesof-x-parameters-info>.