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FOR IMMEDIATE RELEASE

November 20, 2017

Modelithics Releases the COMPLETE Library v17.5 for Keysight Technologies' Advanced Design System

Compatible with ADS 2017!

Tampa, Florida (November 20, 2017) – Modelithics, Inc. has just released the [Modelithics[®] COMPLETE Library version 17.5](#) for use with the [Keysight EEsof EDA Advanced Design System \(ADS\) simulation software](#). This release brings full compatibility with ADS 2017, and as always, adds many new models and several advanced features to make the models even more powerful for designers.

Modelithics COMPLETE version 17.5 for ADS has a total of **40 new models**. 26 of the new models are passive component CLR models with parts from Presidio, Coilcraft, AVX, Piconics, ATC, Johanson, Murata, Samsung and TDK. New active device models include those for a Skyworks Schottky diode and a CEL transistor, and new system level component models are available for a MACOM amplifier and a Skyworks switch. S-parameter file-based models have been added to the library for Guerrilla RF LNAs, Vanguard Inductors and Vanguard Transformers.

The CLR (capacitor, inductor, and resistor) models are now compatible with Keysight built-in convolution and are **capable of parasitic transient response**. Previously, transient analysis was based on ideal components. Two new advanced pad features have been added to dynamic pad CLR models. "Pad_Angle" allows the designer to adjust the connection point of the model pad to adjacent circuit elements by ± 90 degrees. "PadInModel" gives options on how much of the built-in pad is included in the simulation, including a shunt option, which simplifies the simulation and layout in designs where components are mounted in shunt directly on a microstrip line. [See the release notes for more information on new models and new features.](#)

Modelithics offers a FREE evaluation library, Modelithics SELECT+, which can be downloaded from the Modelithics website: www.Modelithics.com. A more comprehensive trial and university use library, Modelithics EXEMPLAR, is also available by request and represents a subset of models in the Modelithics COMPLETE Library, containing all models needed to run the many example projects found on the Modelithics website and as part of the standard installation of the Modelithics COMPLETE Library. For information, email sales@modelithics.com.



About Modelithics, Inc.

Modelithics, Inc. (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). Modelithics' premium product is the *Modelithics® COMPLETE Library*, which includes the *CLR Library™*, containing measurement-based *Microwave Global Models™* for a multitude of commercially-available passive component families, the *NLD Library™* (non-linear diode models) the *NLT Library™* (non-linear transistor models), and the *SLC Library™* (system level component models). Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™, CLR Library™, NLD Library™, NLT Library™, and the SLC Library™ are also trademarks of Modelithics, Inc. The [Modelithics Vendor Partner Program](#) allows for collaboration and open communication during the development of advanced data sets and models for commercially available microwave components and devices, with flexible sponsorship and distribution arrangements for the resulting data and models. An example of such an arrangement is the [Modelithics Qorvo GaN Library](#), a fully sponsored library distributed for free by Modelithics under sponsorship of Qorvo®.