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FOR IMMEDIATE RELEASE

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New Release: The Modelithics COMPLETE Library v12.3 for Keysight Technologies' Genesys RF Simulation Tool

120 New Models Added!

Tampa, Florida (January 8, 2016) – Modelithics, Inc., the industry leader in simulation models for RF, microwave, and millimeter-wave devices, has released a new version of The Modelithics[®] COMPLETE Library, version 12.3, for use with the Keysight EEsof EDA [Genesys RF simulation and synthesis software](#) from Keysight Technologies. The Modelithics COMPLETE Library adds to the part selector within Genesys advanced and highly scalable high frequency simulation models representing thousands of commercially available components. The COMPLETE Library includes passive models for capacitor, inductor and resistor (CLR) components, and non-linear models for active devices such as diodes and transistors, plus system-level components (SLC) including amplifiers, filters, switches and more. Modelithics models capture parasitic effects for various design conditions, enabling very accurate electronic simulation.

Modelithics COMPLETE Library V12.3 for Genesys has **120 NEW MODELS** added since the last release, including 59 new CLR models, 5 non-linear diode models, 52 system-level component models, 1 new substrate model, and 3 new S-parameter file-based models. These include Microwave Global Models™ for passive components from AVX, ATC, Chilisin, CoilCraft, Darfon, Murata, Passive Plus, Piconics, Taiyo Yuden, TDK, Vishay, and Würth Elektronik. Also new non-linear models for Skyworks varactor diodes, and SLC models for a temperature scalable attenuator from API Inmet, AVX couplers and diplexers, and Mini-Circuits attenuators, filters and amplifiers (X-parameters* amplifier models). There are also three new S-parameter models for broadband capacitors from IPDiA.

Model updates include the addition of several new “Supermodels” which are combined models containing all features and validation ranges to replace several previously separate models for a device. In addition, some model names have been updated to reflect current manufacturer names (original naming conventions in existing projects will still work).

Modelithics offers a FREE evaluation library, Modelithics SELECT+, which contains a sampling of the advanced simulation models. The SELECT+ library can be downloaded from the Modelithics website: www.Modelithics.com. A more comprehensive trial library, Modelithics EXEMPLAR, is also available and is a representative subset of all 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. EXEMPLAR is also available for extended university use. For more information, please 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.

*X-parameters is a trademark and registered trademark of Keysight Technologies in the US, EU, JP, and elsewhere. The X-parameters format and underlying equations are open and documented. For more information, visit <http://www.Keysight.com/find/eesof-x-parameters-info>