Modelithics®
World's Best RF & Microwave Simulation Models

Contacts:

Modelithics, Inc.
Laura Levesque
813.866.6335
sales@modelithics.com

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Modelithics® COMPLETE Library™ v18.2 for Keysight Genesys 2018 provides support for the new Vendor Parts Synthesis capability

TAMPA, Florida (August 22, 2018) –**Modelithics has just released version 18.2 of the COMPLETE Library for use with Keysight Genesys software. Version 18.2 includes 24 new models, and offers compatibility with the latest Keysight Genesys software release, playing a key role in the new Genesys rapid design optimization tool, Vendor Parts Synthesis (VPS).**

The Modelithics COMPLETE Library, v18.2 for Keysight Genesys, which has been coordinated with timing of the latest Genesys software release, is now available. Designers will have access to an exciting new tool in Genesys called VPS, that utilizes the scalability features of Modelithics Microwave Global Models™ to advance from an optimized ideal design, to a final buildable design, including effects of layout and "real-world" component parasitics, that still meets the original design specs. A free sample of the Modelithics Library, Modelithics SELECT+ with 18 models, is now included with all Genesys 2018 installations to make it easy to evaluate this new efficient synthesis-based design flow.

The new version of Genesys has now also incorporated functionality of Modelithics Microwave Global Model dynamic pads. Previously, pad scaling was available, but it only applied to the simulation. Now, if pad dimensions are changed, the pads in the layout adjust accordingly to enable accurate EM-circuit co-simulation. Discrete optimization is another new feature that is available. The optimization process during VPS includes a discrete optimization using the available vendor values included in Modelithics models. The v18.2 Modelithics COMPLETE Library contains over 540 models from more than 50 vendors, representing over 16,000 total components. New models include those for capacitor series from AVX, Murata, Passive Plus, Presidio and Samsung, inductor series from Coilcraft, TDK and Würth Elektronik, and a resistor series from ATC.

Along with the v18.2 release of the COMPLETE Library, the Modelithics mmWave & 5G library for Keysight Genesys is also available. Introduced in 2018, the mmWave & 5G Library contains all models that are validated to at least 30 GHz, with some validated as high as 125 GHz! This collection has been designed for the growing area of wireless design within the recently approved mmWave 5G frequencies.

For more information about this new release or to request a free trial, please visit the Modelithics website www.Modelithics.com, or contact us at sales@modelithics.com.

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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, as well as 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 (MVP) 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®.

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