Modelithics®
Accelerating Your Design Success!

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Announcing the Launch of the NEW Modelithics COMPLETE+3D Library for Keysight Advanced Design System & RFPro

Tampa, Florida (November 12, 2024) – Modelithics®, the leading independent provider of accurate RF/microwave device and component models, is pleased to launch the NEW Modelithics COMPLETE+3D Library for Keysight Advanced Design System (ADS) and RFPro. The release of the new Modelithics COMPLETE+3D Library represents more than 28,000 passive & active components from 75+ vendors for use in Keysight ADS circuit simulation, and over 300 vendor 3D EM Encrypted Geometry models for use in RFPro full-wave electromagnetic analysis, as well as ADS/RFPro em-circuit co-simulations.

The encrypted 3DEM models from vendors such as Coilcraft, Johanson Technologies, Mini-Circuits, TDK and more, enable component vendors to protect their geometry and material IPs while offering access for RFPro to simulate the electromagnetic effects accurately.

Keysight ADS is the world's leading electronic design automation software for RF, microwave, and high-speed digital applications. Keysight RFPro in ADS automates 3D EM and RF circuit co-simulation for the RF circuit designer. Combining the speed and accuracy of Keysight ADS and RFPro with Modelithics 3D Geometry models of vendor components for full 3DEM-circuit co-simulation, the Modelithics COMPLETE+3D Library provides designers with the ultimate simulation accuracy.

The RFPro is the fourth simulator to be added to Modelithics' portfolio of compatible Keysight EDA simulation software. Also, available is the Modelithics COMPLETE Library or measurement-based equivalent circuit models for the Keysight ADS and Genesys, which represents more than 28,000 passive and active components from 75+ vendors. In addition, Modelithics offers the System Components Library for Keysight PathWave System Design.

Modelithics President & CEO, Larry Dunleavy stated: "We have enjoyed partnering with Keysight since our founding over 23 years ago. With this release, we are pleased to help enable accurate full-wave EM simulations and circuit/EM co-simulations by providing measurement validated and vendor-IP encrypted 3D EM models for components whose intricate geometry and material details, needed for full-wave analyses, are not publicly available."

Keysight Product Manager, Joe Civello stated: "RFPro is a game changer, allowing RF circuit designers to access 3D EM-circuit co-simulation on the fly. It dramatically improves design flow productivity, saving hours and in some cases days, because it automates all steps from setup and simulation to viewing the co-simulation results—unlike legacy flows that require tedious, error-prone stitching of external 3D EM data to circuit nodes. With the Modelithics 3D EM encrypted model libraries of purchasable vendor SMT parts, such as inductors, coils, capacitors and packages, RF circuit designers can now obtain the optimal 3D EM-circuit co-simulation accuracy needed to eliminate costly hardware iterations."

For more information regarding the new Modelithics COMPLETE+3D Library for Keysight ADS and RF Pro, please review the **release notes**. To request a free trial, visit:www.Modelithics.com/Model/EMLibraries.

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 non-linear diode models, non-linear transistor models, and system-level component models. Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs. Modelithics product offerings, which support multiple EDA software platforms, also include the Modelithics mmWave & 5G Library, Modelithics System Components Library™ the Modelithics COMPLETE+3D Library. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™, System Components Library™, and CLR 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 the sponsorship of Qorvo®. Modelithics also offers a Standard and Custom Test Fixture and Accessory Product Line, including legacy parts from J Micro Technology for a family of thin film Alumina substrate components.

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