Modelithics®
Accelerating Your Design Success!

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FOR IMMEDIATE RELEASE

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Announcing the Release of v24.8 of the Modelithics COMPLETE Library for Keysight Advanced Design System

Tampa, Florida (December 6, 2024) – Modelithics® is pleased to announce the release of the latest version, v24.8, of the Modelithics COMPLETE Library™ for Keysight Technologies' Advanced Design System (ADS). This release of the Modelithics COMPLETE Library for Keysight ADS includes **14 new models representing over 350 components and** includes compatibility with Keysight ADS 2025 Update 1. The Modelithics COMPLETE Library for Keysight ADS represents 28,000 components from over 75 vendors.

Included in this release is a new non-linear model for MACOM MAVR-011020 Varactor. This model is validated through 67 GHz and includes Modelithics Advanced Model Features for Substrate and Temperature Scalability. In addition, this release includes Microwave Global Models™ for two (2) Samsung capacitors, seven (7) Knowles/Voltronics capacitors and one (1) Knowles/Syfer capacitor. Each of these new models include many of Modelithics Advanced Model Features including Part-Value and Pad Scalability. Also included in this release are three (3) new models for Murata inductors, each validated up to 50 GHz.

All new models released are also available within the new Modelithics COMPLETE+3D Library™ v24.8 for Keysight ADS and RFPro, which represents circuit simulation models for over 28,000 components as well as 300+ 3D EM geometry models. The Modelithics COMPLETE+3D Library for Keysight ADS and RFPro incorporates the EM accuracy of 3D SMD components such as inductors and capacitors. Together with RFPro's automatic EM parameterization of substrate etching, dielectric thickness and material properties, RF designers can now efficiently predict the performance impact of manufacturing tolerances and actual purchasable parts.

For more information about this new release and further details on the new models available, please review the **v24.8 release notes**. To request a free trial of the Modelithics COMPLETE Library for Keysight ADS, please visit the Modelithics website at www.Modelithics.com/MVP/ADS. For a free trial of the Modelithics COMPLETE+3D Library, please visit: www.modelithics.com/model/KeysightEMLibraries.

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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 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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