Modelithics®
Accelerating Your Design Success!

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## FOR IMMEDIATE RELEASE

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# Announcing the Release of Modelithics COMPLETE Library v25.1 for Keysight Advanced Design System

Tampa, Florida (March 18, 2025) – Modelithics®, is pleased to announce the release of the Modelithics COMPLETE Library v25.1 for Keysight Technologies' Advanced Design System (ADS). This release includes 13 new scalable models, representing over 900 components and includes compatibility with Keysight ADS 2025 Update 2. With this release, the Modelithics COMPLETE Library for Keysight ADS now represents approximately 29,000 components, from ~80 leading commercial component manufacturers.

In this release, six (6) new Microwave Global Models™ for capacitor and resistor families from Kyocera-AVX, Murata, Samsung, and Susumu are now available. Microwave Global equivalent circuit models include Modelithics Advanced Model Features, such as Part-Value Scaling, Substrate Scaling, Pad Scaling, Representation of High-Order Resonant Effects, and Accurate Effective Series Resistance.

In addition, this release includes a new non-linear model for MACOM pin diode MA4PK3000-1252. This model is substrate scalable and temperature scalable, which is validated from 25° – 85° C. Also available with this release are five (5) new models for International Manufacturing Services (IMS) power splitters which are valid from 30-50 GHz, and include Modelithics advanced model features, including substrate scaling. This release is also introducing a new model for Hirose U.FL-R-SMT-1 connector device. This model includes substrate scaling and pad scaling and is validated up to 20 GHz.

Through the Modelithics Vendor Partner (MVP) program, FREE use of Modelithics models for Kyocera-AVX, IMS, and Susumu components are available. For more information or to request free use of the new models for these MVP as well as other available Modelithics MVP models, please visit www.modelithics.com/mvp/vsl.

For more information about this new release and further details on the new models available, please review the v25.1 release notes. To request a free trial, please visit the Modelithics website at www.modelithics.com/mvp/ads.



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***Precision Measurements and Modeling Excellence Since 2001!***

**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 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, for a family of thin film Probe Point™ Alumina substrate fixtures compatible with RF probing.



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