Modelithics®
Accelerating Your Design Success!

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FOR IMMEDIATE RELEASE

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Announcing the Release of v25.5 of the Modelithics COMPLETE+3D Library for Ansys HFSS

Tampa, Florida (July 31, 2025) – Modelithics® is pleased to announce the release of v25.5 of the Modelithics COMPLETE+3D Library for Ansys HFSS™. This release includes over 20 new models that represent approximately 1,300 components. With this release, the COMPLETE+3D Library for Ansys HFSS now represents approximately 28,000 components by way of equivalent-circuit models. In addition, approximately 7,500 components are represented by way of 3D EM and 3D Brick EM™ models that are suitable for full-wave electromagnetic simulations. This release is compatible with Ansys HFSS 2025 R2 and is backwards compatible with older versions of Ansys HFSS. Ansys is now part of Synopsys, the leading provider of engineering solutions from silicon to systems.

This release includes new 3D EM Brick Models™ for capacitors from Kyocera-AVX (1), Murata (4), Passive Plus (1), and Yageo (1). Modelithics 3D Brick Models for capacitors combine the best of both 3D and circuit simulation techniques. A simplified 3D model is linked through EM/Circuit co-simulation with an equivalent circuit model so that EM interactions are captured, while also allowing the flexibility to tune and optimize capacitance values. Each of these models are validated to 67 GHz.

Through the Modelithics Vendor Partner (MVP) Program, FREE 90-day use of Modelithics models for Kyocera-AVX and Passive Plus components are available. For more information or to request free use of the models for components from these and other MVPs, 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 **v25.5 release notes**. To request a free trial, please visit the Modelithics website at www.modelithics.com/mvp/HFSS.

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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 products include the Modelithics COMPLETE Library™, and Modelithics COMPLETE+3D 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, system-level component models, as well as models for use in 3D EM simulations of coupling effects. Modelithics product offerings support multiple EDA software platforms and also include the Modelithics mmWave Library and Modelithics System Components Library™. Modelithics' offering includes Special Order Library Models, custom RF and microwave measurement and modeling services along with custom test fixtures and a family of thin film Probe Point™ Alumina substrate fixtures compatible with RF probing. Additionally, many specific manufacturer models are available for free trial or long-term designer use through the Modelithics Vendor Partner (MVP) Program. This includes the Modelithics Qorvo Gan Library, the Modelithics MACOM GaN Library, and many other vendor-specific passive and active sub-libraries. 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®.

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