Modelithics®
World's Best RF & Microwave Simulation Models

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FOR IMMEDIATE RELEASE

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Announcing the Release of Modelithics® COMPLETE+3D Library™ v23.3 for Ansys® HFSS™

Tampa, Florida (August 2, 2023) – Modelithics is pleased to announce the release of the Modelithics COMPLETE+3D Library v23.3 for Ansys HFSS. This release includes over 20 new models and is compatible with Ansys HFSS 2021 R1 – 2023 R2. The Modelithics COMPLETE+3D Library is backward compatible with previous Modelithics library releases.

This release includes a new, and highly efficient, 3D Brick Model™ for the Johanson R14S High-Q MLCC capacitor family. Modelithics 3D Brick Models are simplified stand-in components for MLCC capacitors in the 3D EM simulation that allow the designer to catch coupling effects in the 3D EM environment. To obtain the complete performance of a circuit using 3D Brick Models, they are combined with Modelithics' CLR Library models in a 3D EM/circuit co-simulation. Also, included are new models for capacitor devices for Amotech, Kemet, Kyocera-AVX, and Yageo as well as new models for inductors for Coilcraft, Kyocera-AVX, Murata and Wurth Elektronik!

The Modelithics COMPLETE Library includes Modelithics extensive collection highly scalable Microwave Global Models™ for capacitor, inductor, and resistor families from many popular vendors. Also included is Modelithics' collection of over 500 3D electromagnetic (EM) geometry models for inductors, capacitors, filters, packages, and connectors. With both circuit and 3D EM models, including support for HFSS 23 R1/R2 Parasolids model format, the Modelithics COMPLETE+3D Library together represents over 26,000 individual components.

Through the Modelithics Vendor Partner (MVP) program, FREE 90-day use of Modelithics models for Amotech, Coilcraft, Kemet, Kyocera-AVX, and Wurth Elektronik components are available. For more information or to request free use of the new models for these MVP's or other available Modelithics MVP sponsored models, please visit www.modelithics.com/MVP.

For more information about this new release and further details on the new models available, please review the v23.3 release notes. To request a free trial, please visit the Modelithics website at www.modelithics.com/mvp/HFSS.

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22 Years of Precision Measurements and Modeling Excellence!

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 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 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 sponsorship of Qorvo®. Modelithics also offers a Standard & 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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