

Contacts:

Modelithics, Inc.

Angie Rogers

Vice President, Marketing & Sales

813.866.6335

sales@modelithics.com

FOR IMMEDIATE RELEASE

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Modelithics[®] Releases the COMPLETE Library™ v22.5 for Keysight Technologies' PathWave Advanced Design System

Tampa, Florida (October 24, 2022) – Modelithics is pleased to announce the release of the latest version, v22.5, of the [Modelithics COMPLETE Library](#) for use with Keysight Technologies' PathWave Advanced Design System (ADS).

New nonlinear models for 7 Qorvo GaAs pHEMT devices are another major aspect of version 22.5. These models are validated to 40 GHz and include advanced features like self-heating and ambient temperature effects. In addition, the release includes a new nonlinear model for the Mini-Circuits TAV2-501+ E-pHEMT transistor. This model is validated to 15 GHz and is both substrate and temperature scalable. Finally, new models are also available for Transcom's TC2381 and TC2384 pHEMT transistors.

This version also adds a total of **26 new models** representing over **40 individual components** to the Modelithics COMPLETE Library. With these new additions, the Modelithics COMPLETE Library now includes over **825 models** that represent over **25,000 passive and active** RF/microwave components.

Version 22.5 includes new scalable Microwave Global Models™ for the Kyocera-AVX 550Z and 550U capacitor series and UBR0402 resistor series. Also included are new Microwave Global Models for Vishay's FCHP0402xxxBGT and FCHP0402xxxBTT resistor series and Teedia's HBCR22AY20X10X5A02 and HBC2R2KY20X10X5A02 variable capacitors. Version 22.5 also adds new models for the CA0505D attenuator series and several resistors from Smiths Interconnect as well as new S-parameter models for MACOM's MACP-011088 coupler, MAPD-011062 splitter, and MABA-011125 transformer.

For more information about this new release and further details on the new models available, please review www.modelithics.com/Literature/ReleaseNote. For a trial of the Modelithics COMPLETE Library, visit: www.modelithics.com/model.

Through the Modelithics Vendor Partner (MVP) Program, free model use is being sponsored by Kyocera-AVX, MACOM, Mini-Circuits, Qorvo, Smiths Interconnect, Teedia, Vishay, and many others. Request a dedicated vendor trial of one of these or other available MVPs by visiting www.modelithics.com/mvp.



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.