Modelithics®
World's Best RF & Microwave Simulation Models

Contacts:

Modelithics, Inc.
Angie Rogers
Vice President, Marketing & Sales
813.866.6335
sales@modelithics.com

FOR IMMEDIATE RELEASE

October 11, 2023

Announcing Nearly 100 New Models Added to the Modelithics COMPLETE Library v23.4 for the Cadence AWR Design Environment Platform

Tampa, Florida (October 11, 2023) – Modelithics® is pleased to announce the release of the latest version, v23.4, of the Modelithics COMPLETE Library™ for the Cadence® AWR Design Environment® platform. With this release, the Modelithics COMPLETE Library now represents more than 27,000 components from over 70 vendors. The release includes compatibility with version 17.3 of the Cadence AWR Design Environment platform.

Version 23.4 adds **nearly 100 new models** for many components to the Modelithics COMPLETE Library. This includes non-linear models for seven (7) Qorvo GaAs pHEMTs and five (5) Microwave Technology GaAs MESFETs. Also included are non-linear models for a Mini-Circuits E-pHEMT transistor, two (2) Transcom pHEMTs and an Infineon Schottky diode.

In terms of passive components, v23.4 adds scalable Microwave Global Models™ for six (6) Amotech capacitors, six (6) Kyocera-AVX capacitors, and three (3) Vishay resistors, among others. Version 23.4 also includes four (4) models for voltage tunable capacitors from Tecdia, each of which is validated to 110 GHz. Also included are two (2) Microwave Global models for Smiths Interconnect attenuators and substrate selectable S-parameter models for three (3) Macom components (coupler, splitter, and transformer).

With this library release, **nearly 70 new models or updated "Microwave Supermodels"** (see Modelithics Application Note 058) were added to the **Modelithics mmWave & 5G Library**, including models for Amotech, Coilcraft, Kemet, Murata, Vishay, Würth Elektronik, Yageo, with **most validated through 50 or 67 GHz**. New models were also added for Kyocera-AVX and Tecdia capacitors and a Piconics conical inductor, which are validated up to **90 to 110 GHz**. All models in this new library can be used in one or more of the latest 5G millimeter wave frequency bands. Every model in the mmWave & 5G library is validated with measurements to a minimum of 30 GHz, **some as high as 125 GHz**.

For more on this new release, please review the v23.4 release notes. 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 Amotech, Kyocera-AVX, Smiths Interconnect, Tecdia, Macom, Mini-Circuits, Vishay, and many others. Request a dedicated vendor trial of one of these or other available MVPs by visiting www.modelithics.com/mvp/vs.

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.

3802 Spectrum Blvd. Tampa, FL 33612 USA • www.Modelithics.com
E-mail:**sales@modelithics.com** • Phone: 888-359-6359 • Fax: 813-866-6334