Modelithics®
Accelerating Your Design Success!

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Introducing the NEW Modelithics Library for MATLAB®

Tampa, Florida (September 18, 2025) – Modelithics®, the leading independent provider of accurate RF/microwave models for multiple electronic design automation (EDA) simulation software tools, is pleased to launch the **NEW Modelithics Library for MathWorks MATLAB®.** The release of the new Modelithics Library for MATLAB includes **~400** Microwave Global Models™ representing **nearly 28,000 components** for over 30 of today's leading component suppliers, including Amotech, Coilcraft, Dalicap, International Manufacturing Services, Johanson, Kemet, Kyocera-AVX, Murata, Passive Plus, Presidio, Vishay and more.

The Modelithics Library for MATLAB expands Modelithics' vast collection of highly accurate circuit simulation models offering resources to enable today's design engineers to go from concept to product faster and more efficiently in MATLAB. Modelithics models are to be utilized within RF Toolbox™, a MATLAB add-on from MathWorks, to build networks of RF components, such as filters, transmission lines, matching networks, amplifiers, and mixers. RF Toolbox provides functions, objects, and apps for designing, modeling, analyzing, and visualizing networks of radio frequency (RF) components. RF designers can use RF Toolbox and Modelithics library to develop hardware for wireless communications, radar, and signal integrity applications.

The Microwave Global Models for MATLAB include advanced model features, such as substrate scaling, part value scalability, solder pad-size scaling and de-embedding. Modelithics Microwave Global provide designers with a solution that extends far beyond traditional solutions, like S-parameter files, whose contact pad and substrate conditions are set by the test fixture used for the data and not easy to vary with application conditions.

For more information regarding the new Modelithics Library for MATLAB, please review the v25.4 release notes. To request a free trial, visit www.Modelithics.com/MVP/MATLAB. Through the Modelithics Vendor Partner (MVP) program, FREE use of Modelithics models is also available for selected manufacturers though Modelithics Vendor Partner (MVP) program. please visit www.modelithics.com/mvp/vsl.

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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 product is the Modelithics® COMPLETE Library, containing highly scalable Microwave Global Models™ , and advanced behavioral 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™, and System Components 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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