



Contacts:

Modelithics, Inc.

Angie Rogers

Vice President, Marketing & Sales

813.866.6335

sales@modelithics.com

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Modelithics® Releases the COMPLETE Library™ v21.2 for Keysight Technologies PathWave RF Synthesis (Genesys)

Tampa, Florida (December 20, 2021) – Modelithics® is pleased to announce that version 21.2 of the [Modelithics COMPLETE Library](#) for Keysight PathWave RF Synthesis (Genesys) is now available and includes compatibility with Genesys 2022.

Version 21.2 adds 36 new models to the Modelithics COMPLETE Library for Keysight Genesys. Among them are Microwave Global Models for capacitors from AMOTECH, Kyocera-AVX, and TDK. Also added are Microwave Global Models for inductors from Coilcraft and Taiyo Yuden. Other new models include Microwave Global Models for resistors from KOA, Samsung, Yageo, and Vishay. Finally, version 21.2 adds models for packages from Barry Industries and a model for an amplifier from MACOM.

The Modelithics COMPLETE Library includes over 360 [Microwave Global Models](#)™ for capacitor, inductor, and resistor part series. These highly scalable models can be used together with the Vendor Parts Synthesis (VPS) feature within Genesys to help streamline design flows. The COMPLETE Library also contains nonlinear models for diodes and transistors of various types from different manufacturers.

Models for higher level passive and active system components like amplifiers, attenuators, filters, couplers, and packages are also included. These system level models are validated to frequencies as high as 40 GHz and are also available separately in the newly available [System Components Library](#)™ for Keysight PathWave RF Synthesis (Genesys) as well as Keysight PathWave System Design (SystemVue) and Keysight PathWave Advanced Design System (ADS). The COMPLETE Library also contains an assortment of S-parameter data models for components not represented by scalable or nonlinear models.

For more information about this new release and further details on the new models available, please review the v21.2 release notes. To request a free trial of the Modelithics COMPLETE Library, please visit the Modelithics website at www.Modelithics.com.

Through the [Modelithics Vendor Partner \(MVP\) Program](#), a 90-day free model use is being sponsored by AMOTECH, Barry Industries, Coilcraft, Kyocera-AVX, TDK, and Vishay. To request a dedicated vendor trial of one of these selected MVPs, visit www.Modelithics.com/mvp/vsl.



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.