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Modelithics® Launches the System Components Library for Keysight PathWave System Design

Tampa, Florida (December 13, 2021) – Modelithics is pleased to announce the [Modelithics System Components Library](#) for [Keysight's PathWave System Design](#) software. This library includes models for system-level components like amplifiers, filters, attenuators, couplers, and packages. Models are available for components from a wide range of manufacturers, including Barry, IMS, Kyocera AVX, Mini-Circuits, Murata, and Qorvo. **In total, the current System Components Library offering contains over 160 models.**

The System Components Library provides designers with both nonlinear and S-parameter models for various amplifiers that are available today. Models are also offered for lowpass, highpass, and bandpass filters validated to frequencies as high as 40 GHz. Also offered are models for attenuators validated to frequencies as high as 50 GHz and spanning attenuation levels from 0 to 30 dB.

Combining Keysight's PathWave System Design with the Modelithics System Components Library makes it possible for designers to predict system performance in the presence of real-world modulate signals and environmental effects like interference. System designers can easily connect baseband, RF, and antenna models to create a 'digital twin' of their communications or radar system. The System Components Library is also available for Keysight's PathWave Advanced Design System (ADS). Contact Modelithics sales team for more information and compatibilities with other simulators.

For more information or to request a free trial of the System Components Library for Keysight PathWave System Design or other supported simulators, visit www.Modelithics.com/Model/SCL.

To request a trial license of Keysight's PathWave System Design, please visit www.keysight.com/find/system-design-evaluation.



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 mmWave & 5G Library and the Modelithics COMPLETE+3D Library. The mmWave & 5G Library includes a collection of models focused on supporting the next generation of cellular communication standards. All models in the mmWave & 5G Library are validated to a minimum of 30 GHz, with some validated up to 125 GHz! Modelithics COMPLETE+3D Library includes a collection of 3D Geometry models. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™ 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.