Modelithics®
World's Best RF & Microwave Simulation Models

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Modelithics® COMPLETE Library and NEW mmWave & 5G Library Released for Keysight Technologies' Advanced Design System

Tampa, Florida (April 2, 2018) – The newest version of the Modelithics® COMPLETE Library for Keysight Advanced Design System (ADS) has just been released, adding 19 new models plus new dynamic layouts for active device models. Concurrently with this release, Modelithics has introduced a new product, the Modelithics mmWave & 5G Library™, developed to support the growing need for wireless design in mmWave frequencies, including newly opened 5G frequency bands.

The Modelithics COMPLETE Library v18.0 has newly added models for capacitors from AVX, Murata, Passive Plus and Presidio, inductors from TDK and Würth Elektronik, a CEL transistor, and a temperature dependent non-linear model for a high-power coax MACOM PIN limiter. With this release, the Modelithics COMPLETE Library now represents over 16,000 components! All of the transistor and diode models and most system level component models now feature dynamic layouts, giving them additional pad configuration flexibility.

The first release of the Modelithics mmWave & 5G Library, v18.0, for Keysight ADS includes models for many types of active and passive components, all of which have been validated to at least 30 GHz, with some validated up to 125 GHz! The models offer the same unique scaling capabilities that are offered in other Modelithics Libraries and that help designers rapidly meet design goals. This initial release of the Modelithics mmWave & 5G library contains 100 models from over 25 different vendors, representing about 2400 components.

Please contact Modelithics at sales@modelithics.com for information about requesting a trial of the models, including the various vendor sponsored libraries and the Modelithics EXEMPLAR Library. The EXEMPLAR Library is a subset of Modelithics COMPLETE, but contains a wide range of component models, plus many completed example workspaces that highlight model features, show design examples, and help with simulation setups within ADS.

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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*, which includes the *CLR Library™*, containing measurement-based *Microwave Global Models™* for a multitude of commercially-available passive component families, the *NLD Library™* (non-linear diode models) the *NLT Library™* (non-linear transistor models), and the *SLC Library™* (system level component models). The new Modelithics COMPLETE+3D component library is also available to enable full-wave EM simulations of components, connectors and packages within ANSYS HFSS. Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™, CLR Library™, NLD Library™, NLT Library™, and the SLC Library™ are also trademarks of Modelithics, Inc. The Modelithics Vendor Partner 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®.

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