Modelithics®
World's Best RF & Microwave Simulation Models

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Modelithics Releases a New Version of the COMPLETE Library v16.1 for NI AWR Design Environment

TAMPA, Fla.–June 30, 2016 – Modelithics, Inc., premier provider of advanced simulation models for RF, microwave, and millimeter-wave devices, has released the latest version of The Modelithics® COMPLETE Library, version 16.1, formatted for use with NI AWR Design Environment™. With this release, which follows version 12.1, the version number now corresponds with the current year.

Version 16.1 of the Modelithics COMPLETE Library for NI AWR Design Environment adds **33 NEW MODELS** from 13 different vendors to the existing collection of highly accurate simulation models with unique and powerful scalability features. New Microwave Global Models™ have been added for passive components from AVX, ATC, Coilcraft, Vishay, TDK, Murata and Würth Elektronik. New non-linear active device models are available for CEL (NEC) and Qorvo (formerly RFMD) transistors. System-level component models have been added for attenuators, couplers and diplexers from AVX and ATC, and packages from Barry Industries and RJR Polymers. Single substrate S-parameter models are also now available for IPDiA broadband capacitors. Please see the release notes for more details on new models and new features.

Several new significant capability features have been added with the v16.1 release. A new simulation mode has been incorporated into most CLR models. In addition to simulation modes 0, 1 and 2 (full parasitic model, ideal model, pads removed parasitic model), "Sim_mode 3" removes pad *and* substrate dependencies while keeping internal parasitic of the component. In addition, part value files are now included with the CLR models, which can be used for discrete optimization; Modelithics models with pad parameters are now compatible with NI AWR software iCell intelligent microstrip components; and the license expiration warning can now be adjusted by the user to be disabled or to appear a specified number of days prior to expiration.

Not included within the Modelithics COMPLETE Library is a growing library of discrete high power GaN models within the Modelithics-Qorvo GaN Library. This library is also distributed by Modelithics to Qorvo-approved designers for free and can be loaded alongside the Modelithics COMPLETE Library to enable convenient access to the widest range of accurate active and passive RF& microwave models available. See www.modelithics.com/mvp/Qorvo for more information on this sponsored library.

Modelithics offers a FREE evaluation library, Modelithics SELECT+, with a sampling of the models, and can be downloaded from the Modelithics website: www.Modelithics.com. A more comprehensive trial library, Modelithics EXEMPLAR, is also available by request and represents a subset

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of models in the Modelithics COMPLETE Library, containing all models needed to run the many example projects found on the Modelithics website and as part of the standard installation of the Modelithics COMPLETE Library. EXEMPLAR is also available for extended university use. For more information, please email sales@modelithics.com .

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). 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.

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