



World's Best RF & Microwave Simulation Models

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The Modelithics® COMPLETE Library™ v17.1 for NI AWR Design Environment™ - Just Released!

TAMPA, Florida (May 15, 2017) – **The latest release of the Modelithics COMPLETE Library for NI AWR Design Environment, version 17.1, is now available, containing 44 new models and introducing several new model features.**

New advanced scalable simulation models for RF and microwave components from twenty (20) different vendors have been added to the version 17.1 release, including Microwave Global Models™ for capacitors from ATC, AVX, IPDiA (now part of Murata), Johanson Technology, KEMET, Murata, ST Microelectronics, and Taiyo Yuden. New inductor models are available for Coilcraft, Piconics, and Würth Elektronik series, new resistor models are available for KOA Speer, and new ferrite bead models have been added for two Chilisin series. Additional non-linear active device models are now included for transistors from Avago, Infineon and Mitsubishi, for a PIN diode from MACOM, and for amplifiers from Mini-Circuits, Avago, and Qorvo. A single-substrate S-parameter model has also been added for a Vanguard Electronics inductor series.

The Modelithics Library, version 17.1, is compatible with the latest V13 release of NI AWR Design Environment, specifically Microwave Office circuit design software, and includes multiple new features that add even more flexibility and control while using the models in Microwave Office designs. The dynamic layouts of Modelithics models now use Area Pins, which enables connections to the pads at any location. Four new features have been added to most Microwave Global Models: The Pad_Angle parameter allows the designer to specify the 90° rotation angle at which each model pad should be connected to the line. Pad_in_Model provides several options for what percentage of each model pad should be included in the simulation and layout. Finally, new Solder_Mask and Solder_Paste parameters are available in the dynamic layout models which allows these layout layers to be added and adjusted in relation to the pads and then included in the layout.

For more information about this new release or to request a free trial, please visit the Modelithics website www.Modelithics.com, or contact us at sales@modelithics.com.



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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). 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®.