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## Press Release

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## **New Release of Modelithics Active and Passive Model Library for Microwave Office Incorporates 50+ New Models**

**EL SEGUNDO, Calif. and TAMPA , Florida – Sept. 10, 2012** – [AWR Corporation](#), the innovation leader in high-frequency EDA software, and [Modelithics, Inc.](#), the industry leader in simulation models for RF, microwave, and millimeter-wave devices, have announced the release of Version 9.3 of the Modelithics® COMPLETE Library for AWR's Microwave Office™ high-frequency design software.

The Modelithics COMPLETE Library is a collection of the industry's most advanced simulation models for passive components, transistors, diodes and more. The combined product offerings of Modelithics libraries alongside AWR's Microwave Office software gives microwave designers immediate access to high-fidelity parameterized models that better predict real-world behavior

when simulated within the AWR design environment, maximizing the RF/microwave electronic design automation process, reducing design cycle times, and lowering product development costs.

Version 9.3 increases total library models by 20 percent and introduces more than 30 new global models for Modelithics' popular surface mount RLC component families from vendors such as AVX, Coilcraft, Kemet, Murata, Piconics, Taiyo-Yuden and Temex. Additionally, version 9.3 also includes 22 new non-linear models for diodes and transistors, along with a new model formulation for step recovery diodes embodied in an Aeroflex/Metelics SRD model.

The release also introduces for the first time Agilent X-parameter® models into Modelithics' system-level component (SLC) library for AWR's Microwave Office design environment. New transistor models include several gallium nitride (GaN) power transistor models and a 150 W laterally diffused metal oxide semiconductor (LDMOS) transistor. In addition, the release contains new ultra-broadband mm-wave models, including 65GHz validated models for Piconics conical inductors and 125GHz validated nonlinear models for Schottky diodes from Virginia Diodes Inc.

### **Pricing and Availability**

The Modelithics' COMPLETE, CLR, and small-parts libraries for Microwave Office as well as a new Microwave Office/Modelithics' COMPLETE bundled configuration are available today. Contact your local AWR/Modelithics sales representative for a la carte pricing options and your local AWR sales representative for bundle configuration pricing. More information can be found online: AWR's Modelithics microsite: <http://web.awrcorp.com/Usa/Products/Optional-Products/Modelithics-Model-Libraries>, and Modelithics' AWR microsite: <http://www.modelithics.com/mvp/AWR>.

## **About Modelithics, Inc.**

Modelithics, Inc. ([www.Modelithics.com](http://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). Current products include the *CLR Library™*, which contains measurement-based *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, that now includes NVNA-based X-parameter measurements.

## **[About AWR](#)**

AWR, the innovation leader in high-frequency EDA software, dramatically reduces development time and cost for products employed in wireless, high-speed wired, broadband, aerospace and defense, and electro-optical applications.

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