

## Q3 Newsletter 2014

### What Designers are saying:

*"All the models I've used are working very well. When comparing with my own models, much simpler of course, I can see that even when there are only subtle improvements I can trust much more my designs by using the Modelithics models."*

Ivan Boshnakov, R&D Manager, Amplifier Technology Ltd - a Vislink Company



### New Product Release

#### Modelithics COMPLETE Library for NI AWR Microwave Office v11.3

Announcing the newest version of Modelithics COMPLETE Library for NI AWR Microwave Office. Version 11.3 contains over 40 new models and upgraded features including:



A National Instruments Company™

#### New Models

- AVX capacitors, inductors, couplers and diplexers
- Coilcraft inductors
- Murata ferrite beads
- MA-COM varactor diodes
- Toshiba MOSFETs

#### New Features

- Pad scaling extended to include IPC for many models
- New S-parameter (SPAR) library
- New floating license software
- Option to list parts by vendor or by type in part selector

[For more information see the v11.3 Release Notes](#)

### Current Promotions:

#### FREE Access to Modelithics COMPLETE Library for Keysight Genesys for Six Months\*

Modelithics is now offering the Modelithics COMPLETE Library of premier simulation models (Keysight Genesys version) to designers that are new to Modelithics. The Modelithics COMPLETE Library for Genesys now represents approximately 10,000 commercial microwave and RF components.

This promotion runs through the end of 2014. All that is required to receive the free library is a few minutes of your time filling out a [survey](#) about what types of models and features would be of most value to designers. [See the press release for more information about the offer.](#)



Click to Request  
**FREE**  
Modelithics  
Library

[\\*Contact Modelithics for details.](#)

#### Special Order Projects Eligible for Discount or Credit Towards Library Purchases

Special Order modeling projects targeting commercial components are eligible for a significant discount or credit towards the purchase of Modelithics Library license(s). For more information, contact [sales@modelithics.com](mailto:sales@modelithics.com)



### New Library

#### Modelithics EXEMPLAR Library

The Modelithics EXEMPLAR Library is a new collection of models from the Modelithics COMPLETE Library, ideally suited for University or limited budget applications. The EXEMPLAR library includes most example projects and tutorials developed by Modelithics, plus all of the simulation models needed to run the examples. It is currently available for use with Keysight ADS and NI AWR Microwave Office. Coming soon for Keysight Genesys. The EXEMPLAR Library is representative of all types of models contained in Modelithics COMPLETE, so is a great option for initial or longer-term evaluation.

View the Modelithics EXEMPLAR Library datasheets for details:

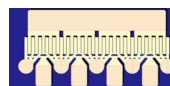
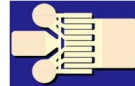
[Modelithics EXEMPLAR Library for Keysight ADS](#)

[Modelithics EXEMPLAR Library for NI AWR Microwave Office](#)

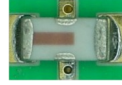
Number of models in EXEMPLAR compared to COMPLETE



### Announcements:



Modelithics, Inc. and TriQuint Semiconductor have collaborated to provide FREE Modelithics models of [TriQuint GaN Transistors](#) (upon approval). Since our last announcement, The TriQuint GaN library has increased to approximately 30 models of die and package transistors ranging from 8W to 300W. Request free GaN models on the [TriQuint MVP page](#) or [contact Modelithics for the latest library version](#)



Mini-Circuits and Modelithics, Inc. have collaborated to add more FREE downloads of microwave amplifier X-parameters\*-based models. New X-parameter models have been added for Mini-Circuits' GVA-84+, PGA-102+, PGA-103+, PGA-105+ and PHA-22+ amplifiers. Visit the [MiniCircuits MVP page](#) for these models, along with substrate-scalable LTCC filter and miniature attenuator models.

### Recent Press Releases:

#### Modelithics Announces the Newest Release of the Modelithics COMPLETE Library for NI/AWR Microwave Office, Version 11.3

The Modelithics COMPLETE Library for AWR Microwave Office, v11.3, now represents over 10,000 RF and microwave components! [See new models and feature updates here.](#)

#### Modelithics Offers Free Six-Month Use of Modelithics' COMPLETE Library for Keysight Technologies' Genesys 2014: Advanced Simulation Models for over 10,000 Components

[The Modelithics COMPLETE Library for Keysight Genesys is now available for FREE for 6 months!](#) Accurate models lead to reduced design cycles and significant cost savings. See for yourself how much of a difference accurate models make. [Fill out a brief modeling needs survey and receive the free library.](#) (For details, contact [info@modelithics.com](mailto:info@modelithics.com))

### Application Notes:

The corresponding ADS project file for [AN049, "Analysis of a 30W Power Amplifier Utilizing Modelithics' TriQuintT2G6003028-FS Model in Agilent ADS"](#), with simulations used for the app note is now available:

- [Related ADS project file for AN049](#)



### Modelithics Vendor Partner Spotlight



Modelithics teams with many companies to develop simulation models for the benefit of our mutual customers. We highly value these relationships and would like to thank our MVP's by highlighting one of our MVP's in each newsletter.



AVX Corporation is a leading international supplier of electronic passive components and interconnect solutions with manufacturing and customer support facilities in countries around the world. AVX offers a broad range of devices including capacitors, inductors, resistors, filters, couplers, timing, circuit protection devices and connectors.

AVX Corporation and Modelithics have recently partnered to develop and add **over 40 new models** of AVX components to the Modelithics library. New models include those for multiple capacitor and inductor families, couplers and diplexers. For a complete list of high accuracy simulation models available for AVX components, [visit the AVX MVP page](#) on the Modelithics website.



Browse our [Modelithics Vendor Partner](#) pages to find:

- List of available models for a specific vendor
- FREE models
- FREE S-Parameter downloads
- Literature related to specific vendors

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