

What Designers are saying:

We just finalized the design of several lumped element filters in our new receiver design. Reaching that milestone was a significant achievement in our design effort and Modelithics was largely responsible for that. The models allowed me to come very close to the final design on the first try.

Jeff Phillips, RF Engineer, TCI SPX Corporation

What's New

- Explore the Modelithics Qorvo GaN Library with New Videos and Tutorials
- Version 12 Modelithics COMPLETE Library release for NI/AWRDE
- Version 12 Modelithics COMPLETE Library Release for Keysight ADS
- Modelithics to Participate in PA Workshop at EuMW
- IMS 2015 Wrap-Up—With Download Links
- Announcements: Modelithics CLR Library for ANSYS HFSS, and 2 new MVP's
- New Modelithics App Notes—Axiem Tips, Semi-Automated Filter Design Flow and Rapid Filter Design
- Modelithics on YouTube! Check out our New Short Video Examples and Tutorials
- Current promotions—Free Special Order Modeling with Library Purchase
- MVP Spotlight for Q2: AVX and ATC

New Product Release

Modelithics COMPLETE Library for NI/AWR Design Environment Software v12.1



Announcing the latest version of Modelithics COMPLETE Library for NI/AWRDE Version 12.1 contains over 50 new models and features including:

New Models & Features

- AVX capacitors, couplers and diplexers
- Aeroflex attenuators
- Qorvo GaAs pHEMT
- Würth Elektronik, Passive Plus, ATC, Murata, TDK, CoilCraft, Darfon, Piconics, and Taiyo Yuden capacitors and inductors
- Freescale MOSFETs
- Skyworks varactor diodes
- S-parameter model for IPDiA ultra broadband capacitor
- Compatibility with AWRDE v10, v11, and v12
- Discrete Optimization for CLR models

For more information see the v12.1: [Release Notes](#) [Press Release](#)



The Modelithics COMPLETE Library v12.0 for Keysight ADS is also now available



View [Release Notes](#) [Press Release](#)



Modelithics CEO Dr. Larry Dunleavy to Present at PA Workshop during European MW Week*

September 9, 2015 at the RF and Microwave Power Amplifier (PA) Forum

If you will be attending EuMW2015 and would like to schedule a meeting with Modelithics, please contact admin@modelithics.com

Explore the Modelithics Qorvo GaN Library

Learn more about the Modelithics Qorvo GaN device simulation model library:

- See how to request the library
- Learn about the advanced model features
- Watch design example videos
- See the list of models available
- Access related application notes
- Find out more about Modelithics models and our high accuracy Power Amplifier design solutions

Available **FREE** upon approval.

[CLICK TO LEARN MORE](#)

[Press Release: Qorvo Expands Relationship](#)



THANK YOU for Visiting us at IMS2015 in Phoenix, AZ!

We want to thank all those who were able to visit with us or attend one of our many presentations at IMS. We had a very productive week in Phoenix interacting with our partners and customers.



All of our IMS presentations are now available on the Modelithics website. Please contact us at info@modelithics.com if you have any questions or other feedback.

- [PA Circuit Level Validation of a New Non-Linear GaN Model Library \(MicroApps\)](#)
- [Flexible and Scalable Models for Microwave System Design Success \(MicroApps\)](#)
- [RF Boot Camp Matching Fundamentals \(Example Project\)](#)
- [RF Boot Camp Systems \(Example Project\)](#)
- [RF Boot Camp GaN PA Design \(Example Project\)](#)
- [Advanced System Level Component Models and Applications](#)
- [Modelithics in Accurate ADS/Momentum Co-Simulation](#)
- [Modelithics CLR Library for HFSS](#)
- [Modelithics COMPLETE Library for Keysight ADS](#)
- [Modelithics COMPLETE Library for Keysight Genesys](#)
- [VIDEO: What's New at Modelithics \(From the IMS show!\)](#)



Announcements:

[Modelithics CLR Library for ANSYS HFSS](#)



Interested in Pre-Release-testing the new Modelithics CLR Library for ANSYS HFSS? Please contact admin@modelithics.com

[Modelithics Welcomes new MVP's \(Modelithics Vendor Partners\)](#)

Würth Elektronik and IPDiA:



New App Notes and Papers:

AN010—App note UPDATE and new related ADS workspace available:

[Accounting For Substrate Thickness Tolerance In PCB Simulations](#)

[Related ADS Example Project](#)

AN051—[Axiem Co-Simulation with Modelithics Models](#)

[Related NI/AWR Design Environment Example Project](#)

AN052—[A Design Flow For Rapid And Accurate Filter Prototyping](#)

[Related NI/AWR Design Environment Example Project](#)

Presentations / Videos:



[Visit the Modelithics YouTube Channel!](#)



Overview of Modelithics Models—Making a Difference:

How do Modelithics' equivalent circuit models help designers achieve first pass design success? This video gives a quick summary.

Current Promotions:

Ask Us About Ongoing Special Offers:

- Combined Special Order modeling project and Modelithics Library purchase discount offer. Certain projects qualify for a free Modelithics Library!
- Modelithics Pre-Release Library: new models in the development stage that are available at a discount and with shorter delivery times.

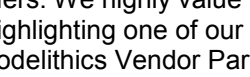
Contact sales@Modelithics.com for more information.



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. This quarter our spotlight is on Modelithics Vendor Partner, ATC!



ATC designs, develops, manufactures and markets Multilayer Capacitors, Single Layer Capacitors, Resistive Products, Inductors and Custom Thin Film Products for RF, microwave and millimeter-wave applications. Our products are primarily focused on the wireless communications infrastructure, fiber optic, medical electronics, semiconductor manufacturing equipment, defense, aerospace, and satellite communications markets. For over fifty years, ATC's family of superior component and custom integrated packaging solutions has been represented by THE ENGINEERS' CHOICE™ brand.

Through the Modelithics Vendor Partner (MVP) program, ATC sponsors free trials of all ATC simulation models in the Modelithics library to their customers. These high-accuracy-scalable equivalent circuit simulation models help achieve excellent simulation-to-measurement agreement to increase first-pass design success. For a listing of the available models in the Modelithics ATC library, or to request free access to this powerful set of models, visit the [ATC 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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