



What Designers are saying:

"The model works great. PAE of my part was short of simulated with someone else's model. It was scaled a lot though. I just put the Modelithics model in and it's much closer."

Senior RF Design Engineer at a major US Defense Electronics firm

What's New

- [Modelithics COMPLETE Library for NI AWR: 15,000+ Devices Represented](#)
- [Visit Us at IMS 2017 June 4-9 in Honolulu, Hawaii!](#)
- [Special Exhibitor Workshop on Advanced Models for GaN PA Design](#)
- [Don't Miss RF BOOT CAMP at IMS 2017](#)
- [Announcements: New Board Member, Johanson Technology capacitor models, Qorvo GaN Library v2.3](#)
- [Papers/Presentations/Videos: Noise Measurements, Capacitor Orientation, QuickStart video](#)
- [Current Promotion—Special IMS Offer!](#)

New Product Release! **15,000+!**

The Modelithics COMPLETE Library v17.1 for NI AWR Design Environment—Over 15,000 Electronic Components from Over 65 Vendors Represented

The Modelithics COMPLETE Library, version 17.1 for NI AWRDE features **NEW MODELS** for components from:
ATC, AVX, Coilcraft, Johanson Technology, Murata Integrated Passive Solutions (formerly IPDiA), KEMET, Murata, Piconics, Taiyo Yuden, ST Microelectronics, Würth Elektronik, Vanguard Electronics, KOA, ChilisIn, MACOM, Infineon, Mitsubishi, Avago, Mini-Circuits and Qorvo.

...And **NEW FEATURES:**

Solder mask and solder paste layout layers, plus Pad Angle and Pad-in-Model parameters.

[Release Notes](#)

[Press Release](#)

[Model List](#)



Modelithics is gearing up to **CATCH THE WAVE** in Hawaii at IMS 2017! We have a lot planned as usual...stop by our **booth #1642**. Come see any of our presentations and **enter to win a GoPro HERO**—perfect for Hawaii!

TUE 6/6, 10:30: New Models & Features for Modelithics COMPLETE v17 Modelithics Booth #1642 (10 min)
TUE 6/6, 3:15: Improved RF and Microwave Module Design Flows in Cadence with Accurate Off-Chip Component Models Cadence Booth #1954 (10 min)
TUE 6/6, 4:00: Capturing Proximity Effects with 3D Geometry Models ANSYS Booth #826 (10 min)
WED 6/7, 11:00: Modelithics CLR Library for Sonnet Suites Sonnet Booth #1232 (10 min)
WED 6/7, 2:30: Advanced Design in Keysight Genesys with Modelithics Models Modelithics Booth #1642 (10 min)
THU 6/8, 11:30: State Of The Art GaN Modeling Modelithics Booth #1642 (10 min)

Special Exhibitor Workshop at IMS 2017:

Application of Advanced Non-Linear Models to High Efficiency GaN Power Amplifier Design

Tuesday, June 6, 2017, 10am to 12pm
Hawaii Convention Center 319A

- High power GaN HEMT technology for die and packaged devices
- Features and applications of advanced non-linear GaN HEMT models
- Simulation-Based design of high efficiency amplifier modes.
- High efficiency amplifier design examples

[Register on the IMS website](#)

Presented by:



RF BOOT CAMP There is still time to register for **RF Boot Camp**, a very informative one day course covering the fundamentals of RF and microwave engineering, including common real-world design examples.

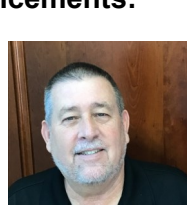
[-> RF Boot Camp Information](#)

- The RF/Microwave Signal Chain
- Network Characteristics Analysis & Measurement
- Fundamentals of RF Simulation
- Impedance Matching & Device Modeling Basics
- Signal Generation
- Modulation and Vector Signal Analysis
- Spectral Analysis
- Microwave Antenna Basics
- Understanding Basic RF Analog Receiver Design & Analysis
- Introduction to Radar and Radar Measurements



Presenters from [Modelithics](#), [Keysight](#), and [University of South Florida](#)

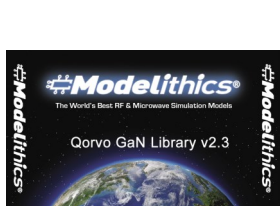
Announcements:



[Modelithics® Welcomes Paul White to Board of Directors](#)



[Modelithics Adds New Microwave Global Models for Two Johanson Technology Capacitor Families](#)



[The Modelithics Qorvo GaN Library v2.3 is now Available, and Contains 69 Models for Qorvo GaN Packaged and Die Transistor Devices](#)

Papers/Presentations/Videos:

Paper: [Bridging the Gap in Noise Spectral Density Measurements Derived from Flicker and Noise Figure Measurement Systems](#)
—Presented at 18th IEEE WAMICON, April 2017

Paper: [Addressing Performance Differences in Horizontal and Vertical Orientation Mounting of Multi-Layer Capacitors](#)
—Presented at 18th IEEE WAMICON, April 2017

Video: [Modelithics QuickStart for Sonnet](#)—A video introduction to the Modelithics CLR Library for Sonnet Suites, including how to get started and a quick demonstration.

Current Promotions:

Special IMS Promotion!!



First year annual maintenance **FREE** for new or additional seats of the Modelithics Library!

MVP Complementary Libraries

Many of our Modelithics Vendor Partners (MVP's) are sponsoring **FREE TRIALS** of Modelithics models available for their components. See the full list of [Vendor Sponsored Libraries](#). Click on the individual company links to request the complementary model library use.



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 details.

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