View this email in your browser

Modelithics®

World's Best RF & Microwave Simulation Models

February 2022

See How Modelithics is Making Waves Lately!

Announcements | What's New | Literature & Presentations

Announcements

NEW! Model Rap™ Modelithics®

Announcing Modelithics' New Model Rap Blog Series

Modelithics is pleased to announce our **NEW** monthly blog series: Model Rap. These blog posts will provide helpful tips for RF & Microwave design success using high-accuracy simulation models in the industry's leading simulation software.

Review Blog: EM/Circuit Co-Simulation Made Easy and Accurate with Keysight RFPro and Modelithics Models

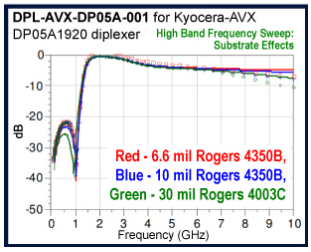
---

Modelithics Releases the System Components Library for Keysight PathWave System Design (SystemVue)

Modelithics is pleased to announce the Modelithics System Components Library for Keysight PathWave System Design (SystemVue). This library includes models for system-level components like amplifiers, filters, attenuators, couplers, and packages. Models are available for components from a wide range of manufacturers, and in total, the current Modelithics System Components Library offering contains nearly **160 models**.

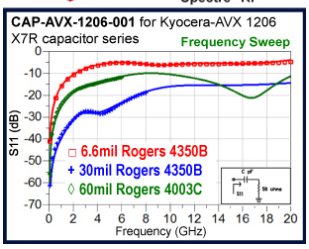
Press Release | Release Notes | Library Brochure

KEYSIGHT TECHNOLOGIES NEW!



Request a FREE Trial Today!

NEW! cadence Spectre® RF



Modelithics Releases the COMPLETE Library™ v21.8 for Cadence® Spectre RF® Option

Modelithics is pleased to announce the release of version 21.8 of the COMPLETE Library for use with Cadence Spectre RF Option**.** The Modelithics Library for Cadence Spectre RF Option offers a large selection of highly scalable Microwave Global Models™ for passive components. Version 21.8 adds **22 new complex equivalent circuit models** to the library

Press Release | Release Notes | Library Brochure

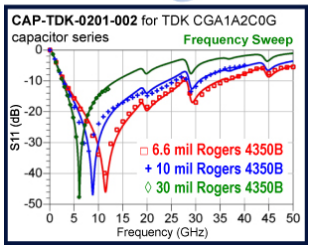
Request a FREE Trial Today!

Modelithics Releases the COMPLETE Library™ v21.9 for Sonnet® Suites™

Modelithics® is pleased to announce the release of **version 21.9** of the Modelithics COMPLETE Library for Sonnet Suites.The Modelithics COMPLETE Library for Sonnet Suites includes **over 360 Microwave Global Models™** for capacitor, inductor, and resistor part series. This new release includes the addition of **23 new models** as well as compatibility with the latest version of Sonnet (v18).

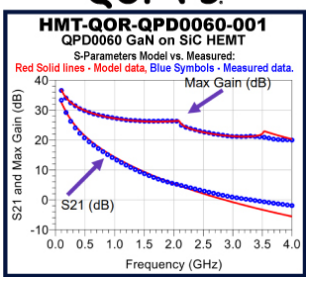
Press Release | Release Notes | Library Brochure

SONNET®



Request a FREE Trial Today!

What's New With Us and Our Partners



Now Available - The Modelithics Qorvo GaN Library Version 21.4.7

The Modelithics Qorvo GaN Library version 21.4.7 for use with Keysight PathWave ADS and Cadence AWR Design Environment is now available. Version 21.4.7 of the Qorvo GaN Library includes an update for the **Qorvo QPD0060 GaN RF Transistor**. This model will be the first in the Qorvo GaN Library to include **substrate scaling**.

Release Notes Library Brochure

Request the Qorvo GaN Library!

Modelithics Welcomes Smiths Interconnect as Sponsoring MVP

Modelithics welcomes Smiths Interconnect's as a Sponsoring MVP, offering free extended 90-day trial use of all Modelithics models available for Smiths Interconnect components. Modelithics and Smiths Interconnect are also collaborating to develop new models for several component series.

Press Release

Request a FREE Vendor-Sponsored Trial!

Modelithics Vendor Partner

Modelithics Welcomes AMOTECH as Sponsoring MVP

Modelithics welcomes AMOTECH Co. Ltd into the Modelithics Vendor Partner (MVP) Program at the Sponsoring level. As a Sponsoring MVP, AMOTECH is sponsoring **free extended 90-day trial** use of all Modelithics models available for AMOTECH components, as well as collaborating with Modelithics to develop new design data and models for selected AMOTECH High Q and Broadband Multi-Layer Ceramic Capacitors.

Press Release

Request a FREE Vendor-Sponsored Trial!

Modelithics Vendor Partner

Modelithics Welcomes IEH Corporation as Sponsoring MVP

Modelithics is pleased to welcome IEH Corporation into the Modelithics Vendor Partner (MVP) Program at the Sponsoring level. Additionally, IEH and Modelithics are collaborating to develop 3D models for the HGM, HMK, HMM, HRM, and HVM hyperboloid PCB connector series, as well as the HKC and HKX Hyperkinetic connectors, which are high-speed, high-density hyperboloid modular interconnects. Through the MVP Program, these models will be available for **free extended 90-day trial** use of all Modelithics models available for IEH components to approved customers.

Press Release

Request a FREE Vendor-Sponsored Trial!

Modelithics Vendor Partner

See What Our Customers Are Saying About Us

Testimonial: We are at the point where most MMIC designers won't do the design unless there is a Modelithics model. [The foundry's] models work for common circuits. But, for more complex requirements, and when we only got one shot we use your models.

- Senior MMIC Designer, US Defense Contractor

Literature & Presentations



Short Waves Video: Discrete Optimization with Modelithics Models in Keysight PathWave ADS

This video focuses on the discrete optimization feature included within Modelithics Microwave Global Models™ in Keysight Technologies PathWave Advanced Design System (ADS). This built-in feature makes is easy to perform optimizations in which part values are automatically adjusted to optimal real-life manufacturer part values.



Deeper Dive Video: Modelithics Deeper Dive: Using Modelithics Models with RFPro in Keysight PathWave ADS

This video demonstrates a workflow for performing EM/circuit co-simulations that combines Keysight Technologies' RFPro EM environment with Modelithics Microwave Global Models for passive components.

View the full Video Collection

Short Waves videos offer quick demonstrations of the benefits and features of Modelithics models.

Deeper Dive videos include in-depth details and demonstrations of benefits and features of the Modelithics models.



App Note 079: Filter Design Flow in Ansys Electronics Desktop with Modelithics Substrate Scalable Models

In this application note, we will demonstrate a filter design flow using different substrates combined with Modelithics Microwave Global Models. The process begins with ideal components and then progresses to using full parasitic models that account for all real-world parasitic, solder-pad, and substrate effects. The results show how substrates have a significant effect on filter performance.

View All Application Notes



Article: Highly Accurate RF System Modeling for Wi-Fi and Cellular Interference Analysis

This article explains the need for accurate RF models when designing systems that operate in crowded frequencies with multiple devices and standards. Using an advanced system simulation platform such as PathWave System Design with system models from Modelithics, Inc. helps teams meet these increasingly challenging performance requirements.

View All Published Articles

View Additional Literature and Presentations

- **Video:** Modelithics Short Waves: Utilizing the Tolerance Parameter in Keysight PathWave ADS
- **Video:** Modelithics Short Waves: Using Modelithics Models with RFPro in Keysight PathWave ADS
- **Video:** Modelithics Short Waves: Modelithics Part Value Scaling in Cadence AWR Design Environment
- **Application Note #78:** Using 3D Brick Models™ for Full-wave EM/Circuit Model Co-simulation of MLCC Capacitors in Ansys® HFSS™

Get the Latest News Alerts. Follow Us on LinkedIn.

Watch the Latest Videos. Subscribe to Our YouTube Channel.

Copyright © 2022 Modelithics, All rights reserved.

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list.