

What Designers are saying:

I have been using the Modelithics libraries for Genesys for a few years. I started out with just a couple of libraries, and gradually expanded to the full Genesys library suite for active and passive devices after seeing how well the measured performance consistently matched the simulated performance. I do a lot of circuit design, development, and prototyping in my consulting practice in the frequency range of a couple of MHz to about 22 GHz. I have used the Modelithics in everything from active LNA's and power amplifiers in the MHz and GHz range, to such critical circuits as band pass filters in the frequency range of about 70 MHz to about 1 GHz. I have even designed a 2 stage power splitter that worked from 8 to 20 GHz using the Modelithics resistor models. In every case, the measured data was almost exactly like the simulated data. If I had to change a value of a capacitor to get a "perfect" match from simulation to measurement on a filter, it was rarely by more than 1.0pf, and usually no changes were necessary. What a tremendous time saver!

Ed Troy, Staff Engineer, Aerospace Consulting

NEW PRODUCT RELEASE!
Modelithics Library for Agilent Genesys v9.6

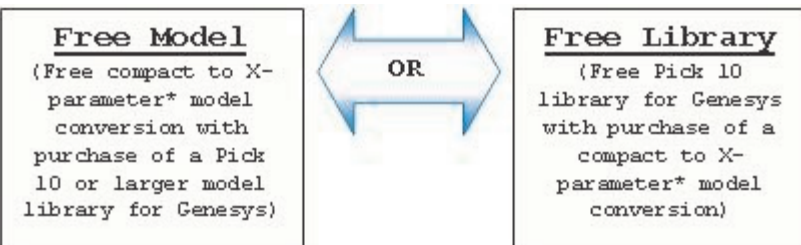


Just released is the newest version of [Modelithics COMPETE Library for Agilent Genesys software](#). This release brings the CLR Library (RLC models) as well as the NLD Library (nonlinear diode models) to be in full parity with the CLR and NLD Library for Agilent ADS, while adding more transistor and system level component models to the Modelithics NLT and SLC Libraries for Genesys.



For more information see the [Version 9.6 Release Notes](#)

Genesys Special Offer!

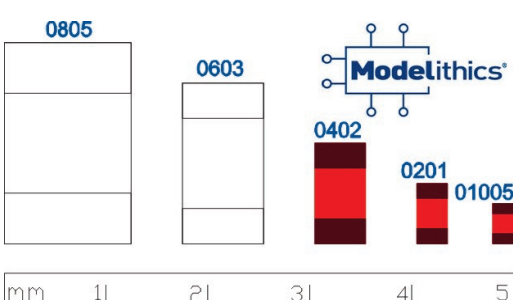


Note: As a reminder, Modelithics can port any available ADS model to Genesys on-demand. This includes, but is not limited to, our compact to X-parameter* model conversion service.

Announcements:

Modelithics Library of Small Parts 0402, 0201 & 01005 Global™ Models Expands

The Modelithics SMALL PARTS Library of measurement-based, equivalent circuit models for RF/MW simulation now includes more Global™ models than ever for **0402, 0201 and 01005 (EIA) size** passive component families from KEMET, AVX, and other popular suppliers. The Modelithics SMALL PARTS Library now contains 84 Global Models, and more are added with each library release. [Click for more information.](#)

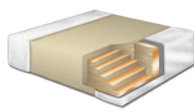


Coilcraft Hi-Q Air Core Inductor Simulation Models

Modelithics has released new simulation models for five Coilcraft RF inductor families. New models are now available for Coilcraft inductor families **132SM, 1812SMS, 1508/2508, 0906/1606, and 0806/0908SQ**. [Click here for more information.](#)

New! Modelithics Global™ Models for KEMET CBR Series RF & Microwave Ultra High Q, Low ESR Surface Mount Multilayer Ceramic Capacitors

Modelithics and KEMET Corporation have partnered to provide highly accurate and scalable Global™ models of KEMET's CBR Series of capacitors, sizes 0201, 0402, 0603, and 0805, for RF and microwave applications. [See our KEMET MVP page for more information.](#)



Current Promotions:

Special Order Modeling Discount or Credit Towards Library Purchase

Special Order models will expand your existing Modelithics Library to include specific simulation models that you may need for current or future designs. Such models can be added at a discount for existing Modelithics Library customers. New Library customers can receive a significant discount on Special Order modeling with the purchase of a Modelithics Library. For more information, contact sales@modelithics.com.

Year End Discount

Contact Modelithics Sales to ask about our Library and Special Order Modeling End-of Year promotion. Phone: 813-866-6335 / Email: sales@modelithics.com. Price discounts are being offered for selected modeling or library orders if the purchases are in place by December 21, 2012.



Recent Articles

Printed articles you may have missed in industry related magazines.

[Simulation Procedures for Successful Low Noise Amplifier \(LNA\) Design Using Discrete Components](#) as published by *High Frequency Electronics*

This tutorial steps through the stages of low noise amplifier design and optimization.

New Application Notes:

Instructional papers to help you get the most out our of our models.

AN46: [Improved Microwave Circuit Design Flow through Passive Model Yield and Sensitivity Analysis](#)

*Warmest Wishes for a Happy
 Holiday and a Wonderful
 Christmas Season
 From,
 The Team at Modelithics, Inc.*



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