



World's Best RF & Microwave Simulation Models

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Modelithics® Releases the COMPLETE+3D Library™ v21.1 for Ansys® HFSS™

TAMPA, Florida (April 1, 2021) – **Modelithics is pleased to announce the release of version 21.1 of the COMPLETE+3D Library for use with Ansys HFSS.** The library contains **over 325 highly scalable [Microwave Global Models™](#)** for capacitor, inductor, and resistor families from many popular vendors, plus a collection of **nearly 400 Modelithics' 3D** geometry models for inductors, capacitors, filters, packages, and connectors. This library now represents a total of 22,000 individual components with circuit and 3D electromagnetic (EM) models.

Version 21.1 adds seven new part value-, pad-, and substrate scalable models and four new full wave 3D EM models. New 3D EM models are available for Barry's QFN4424-0522 package and Piconics' CCxxTxxK240G5-C conical inductor series. New scalable circuit models include new models for AVX's 1206xC capacitor series, Taiyo Yuden's HKQ0603S, HKQ0603U, and HKQ0603W inductor series, and TDK's CGA1A2C0G, CGA1A2X7R, and CGB1T3X5R0J104M capacitor series.

For more information about this new release and further details on the new models available, please review the [v21.1 release notes](#). Through the [Modelithics Vendor Partner \(MVP\) Program](#), FREE model use is being sponsored by AVX, Barry, Piconics, and TDK. Request a dedicated vendor trial of one of these or other available MVPs by visiting www.Modelithics.com/mvp/vsl. For a FREE trial of the Modelithics COMPLETE+3D Library, visit: www.Modelithics.com/Model/Models3D.



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About Modelithics, Inc.

Modelithics, Inc. (www.Modelithics.com) was formed in 2001 to address the industry-wide need for high-accuracy RF and microwave active and passive simulation models for use in Electronic Design Automation (EDA). Modelithics' premium product is the Modelithics® COMPLETE Library, which includes the CLR Library™, containing measurement-based Microwave Global Models™ for a multitude of commercially-available passive component families, as well non-linear diode models, non-linear transistor models, and system level component models. Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs. Modelithics product offerings also include the mmWave & 5G Library and the Modelithics COMPLETE+3D Library. The mmWave & 5G Library includes a collection of models focused on supporting the next generation of cellular communication standards. All models in the mmWave & 5G Library are validated to a minimum of 30 GHz, with some validated up to 125 GHz! Modelithics COMPLETE+3D Library includes a collection of 3D Geometry models. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™ and CLR Library™ are also trademarks of Modelithics, Inc. The Modelithics Vendor Partner (MVP) Program allows for collaboration and open communication during the development of advanced data sets and models for commercially available microwave components and devices, with flexible sponsorship and distribution arrangements for the resulting data and models. An example of such an arrangement is the Modelithics Qorvo GaN Library, a fully sponsored library distributed for free by Modelithics under sponsorship of Qorvo®. Modelithics also offers a Standard & Custom Test Fixture and Accessory Product Line, including legacy parts from J Micro Technology for a family of thin film Alumina substrate components.