



World's Best RF & Microwave Simulation Models

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Modelithics® and Barry Industries Partner to Offer New 3D and Equivalent-Circuit Models Validated to 40 GHz

TAMPA, Florida (August 19, 2021) – Modelithics is pleased to announce the release of new models for a wide range of quad-flat no-leads (QFN) packages from Barry Industries. The new models include both 3D and equivalent-circuit models for 18 different packages that range in size from 3 to 8 mm, for a total of 36 new models. Among the 18 packages are three different 3-mm versions and six different 4-mm versions. In addition, three different 6-, 7-, and 8-mm versions, respectively, are included. The new 3D models for these packages are validated from DC to 40 GHz in microstrip configurations but are generalized for use in other interconnect configurations. The new equivalent-circuit models for the packages are also validated from DC to 40 GHz and are intended for microstrip applications.

The new 3D models are available for the [Modelithics COMPLETE+3D Library](#) for Ansys® HFSS™, while the equivalent-circuit models are available within the [Modelithics COMPLETE Library™](#) as well as the [Modelithics mmWave & 5G Library](#). The Modelithics COMPLETE Library and the mmWave & 5G Library are available for Keysight Technologies' PathWave Advanced Design System (ADS), Keysight Technologies' PathWave RF Synthesis (Genesys), Cadence AWR Design Environment, Cadence Spectre® Simulation Platform, Ansys HFSS, and Sonnet® Suites™.

Through the Modelithics Vendor Partner (MVP) program, FREE 90-day trials of Modelithics models for Barry components are available. For more information or to request a free trial of the new models for the Barry packages as well as other available Modelithics models for Barry products, please visit <https://www.modelithics.com/MVP/Barry>.



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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.