Modelithics®

World's Best RF & Microwave Simulation Models

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FOR IMMEDIATE RELEASE

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Modelithics® Releases the Modelithics Qorvo® GaN Library v21.4.5

Tampa, Florida (April 20, 2021) – **Modelithics is pleased to announce the release of version 21.4.5 of the Modelithics Qorvo GaN Library for use with Keysight Technologies' Advanced Design System and Cadence AWR Design Environment.**

Version 21.4.5 of the Modelithics Qorvo Gallium Nitride (GaN) Library includes a total of 82 models containing 59 packaged power models, 17 GaN die power transistor products and 6 small-signal models. This release offers a non-linear model for the **Qorvo QPD1028L**, a 750W (P3dB) discrete GaN on SiC HEMT using Qorvo's QGaN50HV process. This device comes in an NI-780 package (eared). The Angelov-based large-signal model includes an advanced model feature for enabling intrinsic I-V sensing and is valid for Class AB operations.

The Modelithics Qorvo GaN Library is a set of non-linear models for Qorvo package and die GaN devices, designed for excellent accuracy, and validated with broadband S-parameters and load pull data at multiple frequencies. Each model has a detailed datasheet summarizing model features, development details, and model performance plots. Some devices are also represented with small-signal and noise models in addition to non-linear models.

Through the Modelithics Vendor Partner (MVP) Program, the Modelithics Qorvo GaN library is available free to qualified customers. For more information and to request the library, visit www.Modelithics.com/MVP/Qorvo or contact Modelithics at sales@modelithics.com.

Celebrating 20 Years of Precision Measurements and Modeling Excellence!

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.

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