



World's Best RF & Microwave Simulation Models

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Modelithics® Joins GLOBALFOUNDRIES RFWave Partner Program

TAMPA, Florida (July 20, 2020) – Modelithics, the leader in high-frequency simulation models and precision RF, microwave, and mmWave measurement services, is pleased to announce it is now a member of the GLOBALFOUNDRIES® (GF®) RFWave™ Partner Program. The partnership between GF and Modelithics will enable mutual clients to accelerate the launch of new products, based on accurate testing results and the ready availability of Modelithics to assist GF and its clients in modeling activities.

GF's RFWave program is an ecosystem of partners that provide unique mmWave test and characterization capabilities along with design services, IP, and EDA solutions that will enable designers to build highly optimized RF solutions for a range of wireless applications such as Internet-of-Things (IoT), wireless connectivity, 5G, and automotive radar.

Modelithics successfully demonstrated their RF/microwave/mm-wave testing services by performing noise parameter characterization from 2GHz to 50GHz on GF's 130nm RF SOI platform and noise, S-parameter, including IP3 testing on GF's 22FDX® (22nm FD-SOI) platform with 28GHz LNAs over temperature range from -40 to 125 degrees Celsius.

Modelithics provides a wide range of custom measurement services from DC through 170GHz including S-parameters, noise parameters, 1/f noise, load/source pull testing, CW and pulsed I-V, X-parameters¹ etc. Modelithics also recently announced that it is supplying test fixtures and wafer probe compatible test fixtures and related calibration products.

Moreover, Modelithics specializes in developing equivalent circuit, black-box, and 3D EM models for all types of linear and non-linear microwave and millimeter-wave devices. In addition to custom wafer/chip-level models for MMIC/RFIC designers, Modelithics offers an extensive library of commercial discrete device models that integrates seamlessly into industry leading circuit simulators that enables first-pass success for board and module designers. For more information on Modelithics characterization and modeling services, visit: <https://www.modelithics.com/home/services>

To date, Modelithics COMPLETE Library represents 18,000 passive and active components from nearly 70 RF/microwave device suppliers. To request a free trial, visit: <https://www.modelithics.com/model>

¹ X-parameters is a trademark and registered trademark of Keysight Technologies in the US, EU, JP, and elsewhere. The X-parameters format and underlying equations are open and documented. For more information, visit Keysight X-Parameters Information.



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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™. This library includes measurement-based Microwave Global Models™ for a multitude of commercially-available passive component families in addition to a multitude of high accuracy non-linear diode and transistor models along with a wide range of system level component models for amplifiers, filters, attenuators and other functional blocks. Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™, 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 (for examples see <https://www.modelithics.com/mvp/vsl>). Modelithics has also recently launched a new Standard & Custom Test Fixture and Accessory Product Line, including legacy parts from J Micro Technology for a family of thin film Alumina substrate components.