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FOR IMMEDIATE RELEASE

February 22, 2024

Modelithics and Johanson Technology Expand Partnership to Develop New Microwave Global Models

Tampa, Florida (February 22, 2024) – Modelithics®, the leading independent provider of accurate RF/microwave models, and Johanson Technology, a leader in the design and manufacture of high-performance RF ceramic products expand their partnership to provide highly accurate and scalable simulation models to the RF design community.

Through the expanded collaboration efforts, Modelithics will be developing new Microwave Global Models™ for Johanson Technology's new High-Q 0402, 0603, and 0805 C-Series multi-layer capacitors. The Johanson High-Q C-series capacitors are High-Q MLCC, ultra-low loss ceramic capacitors for high-frequency applications. The C-Series is made with Copper electrodes, instead of Palladium and Silver, making them less subject to price volatility of precious metals. Therefore, prices for these low-loss, low-ESR capacitors will be more stable over time. Reliability and lot-to-lot RF consistency were key design criteria in the development of this family of High-Q capacitors.

Modelithics Microwave Global Models are unique to Modelithics and are measurement-based, are highly scalable and provide broad-band parasitic modeling accuracy. Designers can specify a desired substrate and solder-pad dimensions and the model will then scale accordingly. Microwave Global Models also scale with respect to part values, making them ideal for tuning and optimization. Specifically, a single Microwave Global Model covers the full range of part values for a vendor part series with validation frequencies often extending into mm-waves.

Upon development, the models will be included in the Modelithics COMPLETE Library, which is an indispensable collection of simulation models for all types of passive and active RF and microwave devices engineered to enable designers to go from concept to product faster and easier. The Modelithics COMPLETE Library is available for Keysight Technologies' PathWave Advanced Design System (ADS), Keysight Technologies' PathWave RFSynthesis (Genesys), Cadence® AWR Design Environment®, and other simulators. For a free trial, please visit www.modelithics.com.

Through the Modelithics Vendor Partner (MVP) program, FREE 90-day use of Modelithics models for Johanson Technology High-Q C-Series multi-layer capacitors will be available. For more information or to request free use of the Modelithics models for Johanson Technology components, please visit http://www.modelithics.com/mvp/johanson.

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Over 22 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 as 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, which support multiple EDA software platforms, also include the Modelithics mmWave & 5G Library, Modelithics System Components Library™ the Modelithics COMPLETE+3D Library. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™, System Components Library™, 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 the sponsorship of Qorvo®. Modelithics also offers a Standard and Custom Test Fixture and Accessory Product Line, including legacy parts from J Micro Technology for a family of thin film Alumina substrate components.

About Johanson Technology

Johanson Technology provides High Frequency Ceramic Solutions for 5G, IoT, WiFi, Bluetooth, ISM, RF/Microwave, Millimeter Wave, Fiber Optic, Military and many other RF applications, as well as custom high-frequency ceramic solutions that are ideally suited to the customer's needs.

We offer a broad range of standard products including: Multilayer Capacitors, Single Layer Capacitors, RF Inductors, RF Wire-wound Inductors, Chip Antennas, Baluns, Balanced Filters, Band Pass Filters, High Pass Filter, Low Pass Filters, Couplers, and Diplexers.

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