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FOR IMMEDIATE RELEASE

December 8, 2020

Modelithics[®] and Piconics Partner to Provide New 3D Models for Conical Inductors Validated through 67 GHz!

Tyngsboro, MA & TAMPA, Florida (December 8, 2020) – Piconics and Modelithics are pleased to announce the availability of 3D models for the CC20T44K240G5-C and CC25T47K240G5-C conical inductors from Piconics. Both models are included in the latest version, v20.8, of the [Modelithics COMPLETE+3D Library](#) for Ansys[®] HFSS[™].

The new models are validated through multi-substrate S-parameter measurements. Both are validated through 67 GHz, making them well suited for extremely broadband applications. The CC20T44K240G5-C and CC25T47K240G5-C conical inductors have inductance values of 0.170 and 0.250 μ H, respectively. In addition, the CC20T44K240G5-C is rated for a maximum current of 325 mA, while the CC25T47K240G5-C has a maximum current rating of 230 mA. Potential use cases for the conical inductors include bias tees, broad-band filtering, and multiplexer applications,

Through the Modelithics Vendor Partner (MVP) program, FREE 90-day use of Modelithics models for Piconics components are available. For more information or to request a free use of the new 3D models for the Piconics conical inductors as well as other available Modelithics Piconics models, please visit www.modelithics.com/MVP/Piconics.

The new 3D Modelithics Piconics models are available within the Modelithics COMPLETE+3D Library v20.8 for Ansys HFSS. For more information about this new release and further details on the new models available, please review the [v20.8 release notes](#). To request a free trial, please visit the Modelithics website at www.modelithics.com/mvp/HFSS.

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 the NLD Library™ (non-linear diode models), the NLT Library™ (non-linear transistor models), and the SLC Library™ (system level component models). 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™, CLR Library™, NLD Library™, NLT Library™, and the SLC Library™ are also trademarks of Modelithics, Inc. Modelithics COMPLETE+3D for Ansys HFSS now also includes 3D EM models for a range of passive components. 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 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.

About Piconics, Inc.

Piconics is a world-class supplier of high-quality microelectronic inductors for a wide variety of applications in the space, military, telecom, test & measurement, and medical electronics industries. Piconics specializes in miniature space & military grade inductors along with tight tolerance, fine wire windings such as the Broad-band Conical and Microwave Air Coil Inductors. Piconics keeps the innovative spirit alive by continuing to work with industry leaders in microelectronics to provide inductor solutions to the most challenging problems. The Engineering team at Piconics continues the philosophy of promoting and innovating high-quality microelectronic inductor solutions for the industries' most cutting-edge applications. Piconics is an ISO 9001:2015 certified company with all manufacturing taking place in the USA.