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FOR IMMEDIATE RELEASE

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Modelithics[®] and Piconics Partner to Provide Additional New 3D Geometry Models for Conical Inductors!

Tampa, Florida and Tyngsboro, MA (April 6, 2021) – Piconics and Modelithics are pleased to announce the availability of three (3) new 3D geometry models for the CC19T40K240G5-C, CC21T36K240G5-C, and CC45T47K240G5C2 conical inductors from Piconics. These models are all included in the latest version, v21.1, of the [Modelithics COMPLETE+3D Library](#) for Ansys[®] HFSS[™].

The new models are validated through multi-substrate S-parameter measurements. Each model is validated through 67 GHz, making them well suited for broadband applications. The CC19T40K240G5-C conical inductor has an inductance value of 0.220 μ H and a maximum current rating of 700 mA. The CC21T36K240G5-C conical inductor has an inductance value and a maximum current rating of 0.425 μ H and 1,000 mA, respectively. Finally, the CC45T47K240G5C2 conical inductor has an inductance value of 0.840 μ H and a maximum current rating of 160 mA. Potential use cases for these components 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 v21.1 for Ansys HFSS. For more information about this new release and further details on the new models available, please review the [v21.1 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 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.

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 Broadband 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.