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Modelithics and Coilcraft Collaborate to Offer New Microwave Global Models™ for High Frequency Conical Inductor Series

Tampa, Florida and Cary, Illinois (July 7, 2016) – Modelithics, Inc., and Coilcraft Inc., have teamed to develop two (2) new Microwave Global Models™ for the Coilcraft BCL and BCR RF and microwave inductor families. Modelithics Microwave Global Models are high-accuracy equivalent circuit models that cover an entire component series within a single model. These powerful models, unique to Modelithics, feature substrate, pad and part value scalability (or selectability), and accurately predict parasitic effects based on the model parameter settings. These features allow designers to simulate condition-specific response of their designs electronically and perform advanced analysis of their designs with efficiency and accuracy.

The new BCL (flying lead) and BCR (surface mount) Series inductor models each come in two versions for series and shunt configurations. Each model is measurement-validated to **50 GHz** and includes all available part values in the series. The models are also substrate scalable over a range of material thickness and dielectric constant properties, a very important feature in high frequency design.

As a member of the Modelithics Vendor Partner (MVP) program, Coilcraft is sponsoring **FREE 90-day licenses** for use of all Coilcraft inductor models in the Modelithics library, including the new conical models and more than 35 additional Coilcraft wirewound chip and air core inductor families. The models are now available for easy installation and use in five popular microwave simulation tools: Keysight ADS, Keysight Genesys, NI AWR Design Environment, ANSYS HFSS and Sonnet Suites. For more information about the Modelithics Coilcraft simulation models, and to request the free trial, visit the Coilcraft MVP page at <https://www.modelithics.com/mvp/coilcraft> and use the promo code: CLCMVP

For questions about the Modelithics COMPLETE Library, contact Modelithics at sales@modelithics.com.

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, 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. 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.

About Coilcraft

Headquartered outside of Chicago in Cary, Illinois, Coilcraft is a leading global supplier of magnetic components including high performance RF chip inductors, power magnetics and filters. In addition to a large selection of standard components, Coilcraft also designs and builds custom magnetics to fit a customer's exact electrical requirements.

Engineers and buyers consider Coilcraft a preferred supplier because of its reputation for quality, reliable delivery, engineering support and the superior performance of our products. In independent surveys, engineers consistently rank Coilcraft the number one magnetics company they would recommend to a friend.