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## FOR IMMEDIATE RELEASE

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### Modelithics Releases New Microwave Global Models for the Vishay CH Surface-Mount Chip Resistor Families, Validated Through 67 GHz!

Tampa, Florida (December 1, 2020) – Modelithics, Inc. is pleased to announce the availability of new broadband [Microwave Global Models™](#) for Vishay Intertechnology's CH02016, CH0402, and CH0603 surface-mount chip resistor families. The new models are available within the [Modelithics COMPLETE Library™](#) as well as the [Modelithics mmWave & 5G Library](#).

For Vishay's CH02016, CH0402, and CH0603 surface-mount chip resistor families, each model offers part value-, substrate-, and solder-pad-scalability, and is validated to 67 GHz, making them well-suited for millimeter-wave applications such as next-generation 5G networks. All models cover a resistance range of 10  $\Omega$  to 500  $\Omega$ , which corresponds to the full range of resistor values contained in the CH series. The models provide validated data for a range of substrates and scale with respect to solder-pad dimensions. Potential use cases for the CH resistors include Wilkinson power dividers broad-band attenuators and terminations.

The Modelithics COMPLETE Library and the mmWave & 5G Library are available\* for Keysight Technologies' PathWave Advanced Design System (ADS), Keysight Technologies' PathWave RF Synthesis (Genesys), Cadence® AWR Design Environment®, Cadence Spectre® Simulation Platform, Ansys® HFSS™, and Sonnet® Suites™. For a free trial, please visit: [www.modelithics.com](http://www.modelithics.com).

Through the [Modelithics Vendor Partner \(MVP\)](#) Program, **FREE 90-day trials** of all Modelithics models for Vishay components are available. For more information or to request a free trial of the Modelithics Vishay models, please visit: <https://www.modelithics.com/MVP/Vishay>.

\*Specific model availability may vary by simulator.

### **About Modelithics, Inc.**

Modelithics, Inc. ([www.modelithics.com](http://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. 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 Vishay Intertechnology, Inc.**

Vishay manufactures one of the world's largest portfolios of discrete semiconductors and passive electronic components that are essential to innovative designs in the automotive, industrial, computing, consumer, telecommunications, military, aerospace, and medical markets. Serving customers worldwide, Vishay is **The DNA of tech.**™ Vishay Intertechnology, Inc. is a Fortune 1,000 Company listed on the NYSE (VSH). More on Vishay at [www.vishay.com](http://www.vishay.com).