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## FOR IMMEDIATE RELEASE

July 20, 2022

### Modelithics Offers New Attenuator and Resistor Models from Smiths Interconnect

Tampa, Florida (July 20, 2022) – Modelithics is pleased to announce the release of several new models for components from Smiths Interconnect. The new models include a [Microwave Global Model™](#) for the TSX Series of surface-mount attenuators and new substrate-independent models for the CTX Series (CTH0603ALN1SMTF, CT0404ALN1WB1 and CT0404ALN2WB1) of high frequency wire bondable chip terminations. The new models are available within the [Modelithics COMPLETE Library™](#) as well as the [Modelithics mmWave & 5G Library](#).

The TSX Series of attenuators offers excellent broadband RF performance while delivering increased power handling in a small surface mount format factor. It includes attenuation values from 0 to 10 dB in 1-dB increments, 15 dB, and 20 dB, which are all included in the new model. In addition, the new model for the TSX series is validated from DC to 60 GHz. It also provides validated data for a range of substrates.

The CTH0603ALN1SMTF model of the CTX Series is a surface-mountable 50-Ω chip termination that can handle as much as 1 W of CW input power. The new model for this termination is validated from DC to 67 GHz. The model is also substrate scalable.

Lastly, the CT0404ALN1WB1 and CT0404ALN2WB1 models of the CTX Series are wire-bondable 50-Ω chip terminations. The new model for the CT0404ALN1WB1 termination is validated from DC to 60 GHz, while the model for the CT0404ALN2WB1 termination is validated from DC to 67 GHz. Both models are substrate independent.

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 Smiths Interconnect components are available. For more information or to request a free trial of all the Modelithics Smiths Interconnect models, visit: [www.modelithics.com/MVP/SmithsInterconnect](http://www.modelithics.com/MVP/SmithsInterconnect).



### **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 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 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 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.