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## **FOR IMMEDIATE RELEASE**

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## Modelithics<sup>®</sup> and International Manufacturing Services<sup>®</sup> (IMS) Release New Models for Attenuators and Resistors

Tampa, Florida and Portsmouth, Rhode Island (January 31, 2019) – Modelithics and International Manufacturing Services (IMS) have completed the development of eight new broadband Microwave Global Models™ for IMS attenuator and resistor families. The models were developed through the Modelithics Vendor Partner (MVP) Program under a 6-year collaboration plan recently established between Modelithics and IMS.

New models are now available for the following IMS components: RC3-0402PW, RC4-0302PW and NDX-1020EZW high frequency resistor families, A-0402WA-C/IMS2652 and A-0603-C/IMS2533 high frequency attenuator families, and the VDR-3725SG very high-power attenuator series. The VDR-3725 attenuator model is validated up to 2 GHz, while all other attenuator and resistor models are validated to **40 or 50 GHz**. The new models are substrate scalable, pad scalable and part value scalable, with the exception of the 50-ohm single-value NDX-1020EZW resistor model. The models are available for use with multiple EDA tools\*, including Keysight ADS, Keysight Genesys, NI AWR Design Environment/Microwave Office™, ANSYS<sup>®</sup> HFSS™, Sonnet<sup>®</sup> Suites™ and Cadence<sup>®</sup> Spectre<sup>®</sup> RF. (\*Model availability may vary by simulator)

IMS is a [Sponsoring Modelithics Vendor Partner \(MVP\)](#) and as part of this program, is sponsoring **FREE 90-day trials** of all available Modelithics models for IMS components. For more information about the new models, and to request the free trial, visit the IMS landing page on the Modelithics website: [www.Modelithics.com/MVP/IMS](http://www.Modelithics.com/MVP/IMS).

#### **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, the *NLD Library™* (non-linear diode models) the *NLT Library™* (non-linear transistor models), and the *SLC Library™* (system level component models). The new Modelithics COMPLETE+3D component library is also available to enable full-wave EM simulations of components, connectors and packages within ANSYS HFSS. 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 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®.

#### **About International Manufacturing Services, Inc.**

International Manufacturing Services, Inc. (IMS) ([ims-resistors.com](http://ims-resistors.com)) is an industry leader in design, development and production of passive electronic components including thick and thin film resistors, attenuators, couplers, thermal management devices and other RF microwave components available in a wide range of tolerances and sizes. Founded in 1974, IMS is a privately held, AS9100D and ISO 9001:2015 certified company supplying resistive products to industries such as medical, aerospace, defense, communications, instrumentation and RF microwave applications. IMS' Rhode Island headquarters combines the corporate offices and manufacturing facility, enabling IMS to provide excellent customer relations with a solutions oriented approach. If the standard offerings do not match the intended specifications, IMS employs a highly qualified engineering staff that will work with customer requirements to develop custom solutions. Staying on the forefront of product design and manufacturing is what IMS does best and they are prepared to meet the challenges coming from advanced technologies and future innovation in the electronics design industry.