## Contacts:

**Modelithics, Inc.**
Angie Rogers
Vice President, Marketing & Sales
813.866.6335
**sales@modelithics.com**

*For MACOM Sales Information, Please Contact:*
North Americas – Phone: +1.800.366.2266
Europe – Phone: +353.21.244.6400
Japan – Phone: +81.3.5472.1609
China – Phone: +86.21.2407.158

## FOR IMMEDIATE RELEASE
**September 6, 2022**

## Modelithics and MACOM Collaborate to Offer New Modelithics Enhanced, Highly-Accurate Power Divider, Coupler and Balun Models

Tampa, Florida (September 6, 2022) – Modelithics the leading provider of RF/microwave simulation models and MACOM Technology Solutions Inc. (MACOM), a leading supplier of semiconductor products, are pleased to announce the release of new models for three MACOM components: the MAPD-011062 power divider, the MACP-011088 bi-directional coupler, and the MABA-011125 balun. Each model is a substrate selectable S-parameter data model valid through 50 GHz. The new models are available within the Modelithics COMPLETE Library™ as well as the Modelithics mmWave & 5G Library.

Both the MAPD-011062 power divider and the MABA-011125 balun come in a 3-mm, 16-lead QFN package, while the MACP-011088 bi-directional coupler comes in a 4-mm, 24-lead QFN package. The models for all three parts were developed based on multi-port S-parameter measurements with calibration referenced to the edges of the bonding pads on the package.

Measurements of all three components were performed on both 6.6- and 10-mil Rogers 4350B substrates to enable substrate selectable models to be created. Designers can select either of the two substrates within the model parameters. Applications for the MAPD-011062 power divider, the MACP-011088 bi-directional coupler, and the MABA-011125 balun include test and measurement, military communications, and multi-band radios.

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®, and other simulators. For a free trial, please visit: www.modelithics.com.

Through the Modelithics Vendor Partner (MVP) Program, FREE 90-day trials of all Modelithics models for MACOM components in the Modelithics COMPLETE Library are available. For more information or to request a free trial of all the Modelithics MACOM models, visit: www.modelithics.com/MVP/MACOM.

*Over 20 Years of Precision Measurements and Modeling Excellence!*

**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 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.

**About MACOM Technology Solutions Inc.**

MACOM designs and manufactures high-performance semiconductor products for the Telecommunications, Industrial and Defense and Datacenter industries. MACOM services over 6,000 customers annually with a broad product portfolio that incorporates RF, Microwave, Analog and Mixed Signal and Optical semiconductor technologies. MACOM has achieved certification to the IATF16949 automotive standard, the ISO9001 international quality standard and the ISO14001 environmental management standard. MACOM operates facilities across the United States, Europe, Asia and is headquartered in Lowell, Massachusetts. To learn more visit www.macom.com.

*Over 20 Years of Precision Measurements and Modeling Excellence!*