Modelithics®
World's Best RF & Microwave Simulation Models

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Modelithics® and Microwave Technology Partner to Offer New GaAs MESFET Models

Tampa, Florida (March 30, 2023) – Modelithics, the leading independent provider of RF/microwave models, supporting multiple simulators, and Microwave Technology, Inc. (MwT), a leading supplier of MMICs, discrete devices, and hybrid amplifier products are pleased to announce the release of five new models for discrete GaAs MESFET devices. The new models are available within the Modelithics COMPLETE Library™ as well as the Modelithics mmWave & 5G Library™.

The new models are offered for the MwT-1F, MwT-3F, MwT-7F, MwT-9F, and MwT-11F GaAs linear devices. These discrete devices have gate widths ranging from 250 to 2400 µm. The rated saturated output power level of each device ranges from +22 to +32.5 dBm. Each model is based on the extraction of a Modelithics-Enhanced Angelov nonlinear model that is validated against IV, S-parameter, and load-pull measurements. The model for the MwT-7F device is also validated against 1/f-noise measurements. The model for the MwT-11F device is validated to 30 GHz, while all other models are validated to 40 GHz. Each model also offers intrinsic IV sensing capability.

Since MwT is a Sponsoring Modelithics Vendor Partner (MVP), FREE 90-day trials are available for all Modelithics models for MwT devices. For more information or to request a free trial of the Modelithics MwT device models, visit: https://www.modelithics.com/mvp/MWT.

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.

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22 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.

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