



World's Best RF & Microwave Simulation Models

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Modelithics and Passive Plus, Inc. Collaborate to Add New Features and Extend Capacitance Range of the 0505C and 1111C Models

Tampa, Florida (August 9, 2016) – Modelithics, Inc., the industry leader in simulation models for RF, microwave, and millimeter-wave devices, announces the availability of new Microwave Global Models™ for Passive Plus 0505C and 1111C surface mount chip capacitor families. Modelithics and Passive Plus recently collaborated through the [Modelithics Vendor Partner \(MVP\) Program](#) to extend the 0505C model through 1000pF (originally 0.1pF through 150pF), and the 1111C model through 10,000pF (originally 0.1pF through 150pF). The models have also been upgraded to include orientation selectability, which defines the mounting orientation of the capacitor (horizontal or vertical) on the PCB fixture.

The 0505C and 1111C Microwave Global Models are both validated to 12GHz and offer land pattern (pad) scaling, substrate scaling and part value scaling in addition to the orientation selectability feature. These scaling features, unique to Modelithics models, give designers the capability to specify the particular design environment they are using and achieve accurate parasitic simulation according to the model settings. In addition, tuning and optimization tools within simulators can be used along with these scalable model parameters to quickly determine optimal component values, pad dimensions and other design details. The advanced features also help with troubleshooting during the design phase to reduce on-the-bench tuning and increase the ability to achieve first pass design success.

Passive Plus is sponsoring free 90-day trials of all Modelithics models for Passive Plus components, including the new 0505C and 1111C capacitor models. Model versions are available for Keysight ADS, NI AWR Design Environment, Keysight Genesys, ANSYS HFSS, and Sonnet Suites. To request a free trial, visit the [Passive Plus MVP page](#) on the Modelithics website: <https://www.modelithics.com/MVP/PPI>. For more information about Modelithics or Microwave Global Models, please email sales@modelithics.com.



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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, 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 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®.