

Seasons Greetings!

4th Quarter Newsletter - 2017

**What Designers are saying:**

*"The Modelithics Qorvo GaN (Angelov based) models used by SARAS in recent designs have yielded very good results in 2 respects. The models have been accurate enough to produce 'right first pass' results with good repeatability. Inclusion of self-heating and temperature scaling also allows degradation over temperature parameters to be observed. Secondly, access to the intrinsic I - V sensing nodes has enabled SARAS to carry out the design work at the device plane rather than the package plane, this has been instrumental in achieving high efficiency back-off mode designs whilst achieving a high degree of linearity performance using a waveform engineering approach. The measurement validation notes that accompany the model give a good idea of the device model envelope and finally whilst the device layout / footprint may seem unimportant it is a very welcome addition when laying out the final design in the simulator!"*

Jack Brunning— Saras Technology

**What's New**

- [Three NEW Product Releases for Genesys, ADS and HFSS!](#)
- [Try the SELECT+ Library for Cadence](#)
- [Announcements: Sponsoring MVP Würth Elektronik, Qorvo GaN Library](#)
- [New Papers: Shunt Mode Feature, Amplifier X-Parameters Models, GaN Non-Linear and Noise Modeling](#)
- [Current Promotions: Special Order Modeling, Pre-Release Models](#)

• [Merry Christmas and Happy Holidays!](#)

**Now Available! THREE New Product Releases!**

- ◆ Modelithics COMPLETE Library for **Keysight Genesys v17.2**  
**48 new models** for components from 17 different vendors



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- ◆ Modelithics COMPLETE+3D Library for **ANSYS HFSS v17.3**—Compatible with HFSS v18

- **40 new models** for components from 14 different vendors
- New advanced pad model features
- Included: FREE sample set of Modelithics' NEW encrypted full-wave **3D EM models!**



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- ◆ Modelithics COMPLETE Library for **Keysight ADS v17.5**—Compatible with ADS v2017!

- **40 new models**
- CLR models offer parasitic transient response
- New advanced pad model features, including a **shunt configuration** option!



[View press release](#)

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[Click to request a FREE TRIAL of Modelithics Models for any supported simulator!](#)

**Do you use Cadence? Download the FREE trial of Modelithics SELECT+ Library for Cadence Expanded model library coming soon!**

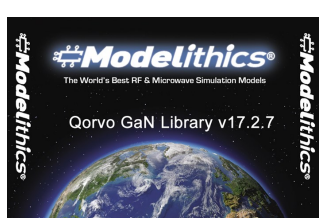
**cadence®** [Click here to download the FREE trial of the Modelithics SELECT+ Library for Cadence](#)

(Click on Cadence option under "Free Model Downloads")

**Announcements:**



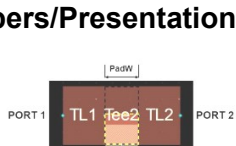
[Modelithics Vendor Partner \(MVP\) Würth Elektronik is now a Sponsoring MVP](#)



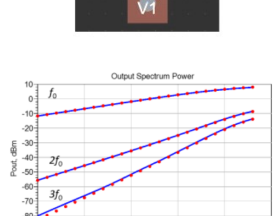
[The Modelithics Qorvo GaN Library v17.2.7 is now Available!](#)

[Click Here to Request](#)

**Papers/Presentations/Videos:**



Application Note 016: [Using Modelithics CLR Library Models In Shunt Connections](#)



Application Note 059: [Using Modelithics X-Parameter Models in an ADS Design Environment](#)

Article: [Advanced Microwave Amplifier Models for Advanced Design System Simulations](#) Published in Microwave Product Digest, October 2017

Article: [Advanced Nonlinear and Noise Modeling of High Frequency GaN Devices](#) Published in Microwaves & RF, November 2017

**Current Promotions:**

**MVP Complementary Libraries**

Many of our Modelithics Vendor Partners (MVP's) are sponsoring FREE TRIALS of Modelithics models available for their components. See the full list of [Vendor Sponsored Libraries](#). Click on the individual company links to request the complementary model library use.



**Ask Us About Ongoing Special Offers:**

- Combined Special Order modeling project and Modelithics Library purchase discount offer. Certain projects qualify for a free Modelithics Library!
- [Modelithics Pre-Release Library](#): new models in the development stage that are available at a discount and with shorter delivery times.



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