Announcing the Modelithics® Qorvo GaN Library v1.8

The Modelithics® Qorvo GaN Library consists of a steadily growing set of non-linear models designed for excellent accuracy, and validated with broadband S-parameters and load pull data at multiple frequencies. Each model has a detailed datasheet summarizing model features, development details, and model performance plots. Some devices are also represented with small-signal and noise models in addition to non-linear models.

The newest version of the Modelithics Qorvo GaN Library, **v1.8**, is now available for download from the Modelithics website. This release features **two** new packaged GaN RF Power transistor models for:
-   TGF2978-SM (20W)
-   TGF2979-SM (30W)

25 existing models have also been updated. The T1G2028536-FL (285W) and T1G2028536-FS (285W) have been modified for enhanced performance and quiescent bias scaling over the 36-50V range, with updated validations at multiple frequencies and bias conditions. All 25 of these updated models now use the Modelithics enhanced multi-layer format intrinsic I/V and internal parasitic sense pins for waveform optimization. Also, all model names that previously used the 'TQT' company indicator have been updated to 'QOR' (Qorvo) company indicator. Earlier model versions will continue to work in legacy schematics, but are not recommended for new designs.

[Click here to view the Modelithics Qorvo GaN Library v1.8 Release Notes](#)
and
[Click here to see some featured presentations and information about the models](#)

The updated library installer can be found in the "My Downloads" section after logging on to the [Modelithics website](#).

If you have any questions, please contact us at support@modelithics.com.

Thank you!
The Modelithics Team

*Please forward this email to other designers that may be interested in using the advanced and accurate Qorvo GaN simulation models. Designers wishing to request the models for the first time can do so here.