

## The Modelithics® Qorvo GaN Library v2.4 - Just Released!



The Modelithics® Qorvo GaN Library is a set of non-linear models for Qorvo package and die GaN devices, 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.

Version 2.4 of the GaN Library is now available, with new models added for three Qorvo high power packaged GaN transistors:

**QPD1011 7W, 50V GaN RF Input-Matched Transistor (Max loadpull freq. 1.2 GHz)**  
**QPD1022 10W, 32V, GaN RF Power Transistor (Max loadpull freq. 12 GHz)**  
**QPD2195 400W, 48V, GaN RF Power Transistor (Max loadpull freq. 2.2 GHz)**

This release contains a total of 72 models for: 17 die-format GaN devices ranging from 2W to 90W, 6 small-signal versions of the large-signal die device models, and now 49 models for packaged transistor devices ranging from 5W to 500W. In addition to the new models, six models have been updated for better breakdown voltage prediction. The Modelithics Qorvo GaN library v2.4 is now available for download from the Modelithics website. The updated library installer can be found in the “My Downloads” section after logging on to the [Modelithics website](#).

[Click to view the Modelithics Qorvo GaN Library v2.4 Release Notes](#)

and

[Click to see some featured presentations and information about the models](#)

If you have any questions, please contact us at [support@modelithics.com](mailto:support@modelithics.com).

We appreciate your feedback. To send us input on your experience with the models, [click here](#).

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](#).