



Modelithics article featured in premier issue of new magazine for the RF and Microwave Industry

Closing the Loop on Reference Design Simulations

Accurate simulation requires component models that represent true RF/microwave performance.

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Reference design “evaluation boards” provide a starting point for RF design engineers; however, accurate reference design simulation setups, inclusive of parasitic models for all passive and active devices, are not usually provided by vendors. Accurate reference design simulations enable the ability to modify the design and rapidly achieve success for new applications, with specifications differing from the original reference design.

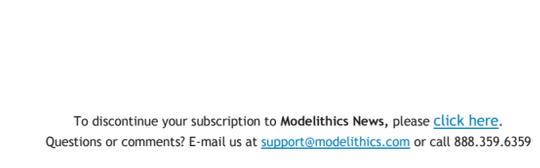
Overview

This article shows the procedure used to develop accurate reference design simulations using models from Modelithics, Inc. The reference design example used in this article is for a power amplifier, operating at 900 MHz, using TriQuint's TGF2960-SD 0.5 watt transistor.

Modelithics Data Sheet:

[HMT-TQT-TGF2960-SD](#)

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• Modelithics Welcomes New Industry Resource: *RF Technology International*.

Long-time industry editor Gary Breed is developing RF Technology International (www.rfti.com) a new information resource for RF and microwave engineers. This new venture begins with a traditional magazine (print and digital) and a Web site information center, with special attention to the evolving use of social media and new platforms like pad PCs and smartphones. RFTI will focus on current applications being developed by working engineers with added support for the new generation of RF engineers, regularly reviewing fundamental principles, and revisiting classic reference material that may be hard to find online. Visit their web site at www.rfti.com, find them on Facebook soon, or just send Gary a note at gary@rfti.com

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