

Modelithics EXEMPLAR Library for Cadence® AWR Design Environment® Platform

ex · em · plar (n.) Something that serves as a typical example or excellent model.

Overview

The Modelithics EXEMPLAR Library is an expanded trial library containing more models than the free SELECT+ Library, which can be downloaded online at www.Modelithics.com/Model/FreeModels. The EXEMPLAR Library is a representative subset (*about 15%*) of all models available in the Modelithics COMPLETE Library, which contains passive CLR component models and more. EXEMPLAR is designed to include all models needed to run the many example tutorial projects available on the Modelithics website.

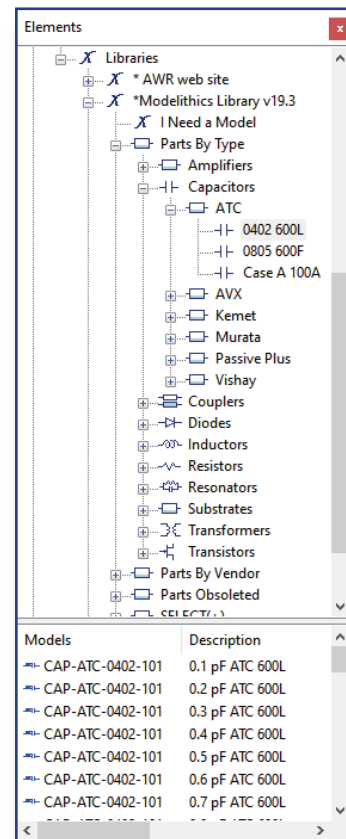
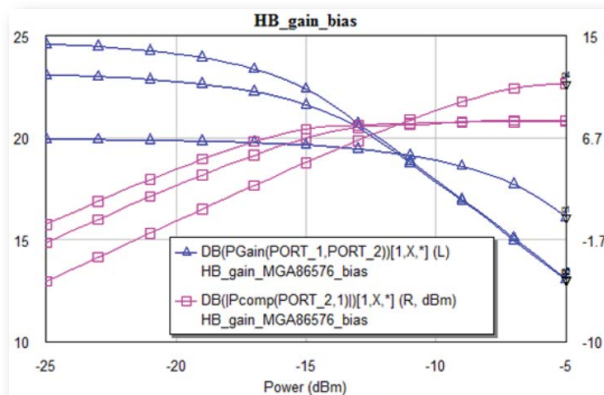
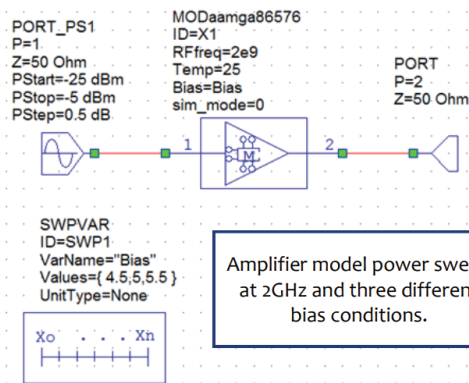
The EXEMPLAR Library is available to approved customers for a FREE trial and is also available to students and faculty members through the Modelithics University Program for educational wireless electronic design projects. See www.Modelithics.com/Model/Exemplar for more details.

Model and Library Features

- Modelithics models offer scalability by substrate, part value, pad size, temperature, and other characteristics.
- The models are engineered to simulate typical device response including related parasitics.
- The Modelithics EXEMPLAR Library includes many example design projects, and all of the Modelithics models needed to run those projects.
- Modelithics SELECT+ Library and SUBSTRATE libraries are included in the Modelithics EXEMPLAR Library for convenient access.

Example Projects in Modelithics EXEMPLAR Library

- Part Value Tuning
- Part Value Optimization
- Substrate Scaling
- Statistical Analysis
- Varying Bias Simulations
- Power Sweep
- Varying Temperature Simulations
- Harmonic Balance
- Noise Parameters
- 1/f Noise
- 2-Tone Intermodulation
- Load Pull Simulations
- Amplifier Model Simulations
- Filter Model Simulations
- Resonator Simulations
- Transformer Simulations



Avago
AMPLIFIER MGA86576
NPNBJT PACKAGES AT-41533, AT-64023
Barry Industries
RESISTORS RK0603ZZ
Coilcraft
INDUCTORS 0302CS, 0402CS, 0604HQ
Excelics
MESFET EFA060BS5
Infineon
DIODES BAS70, BB535, BBY51-02W
NPNBJT PACKAGES BFP420, BFR949F
Johanson
INDUCTOR L-05Cxxx

KEMET
CAPACITORS C0805 (X7R)
KOA
RESISTORS RK73B1J(RK73H), RK73B2A, RK73x1E(RK73H)
Kyocera-AVX
CAPACITORS Accu-P (ATC) 100A, 600F, 600L
COUPLER CP0603
MACOM
DIODE MLP7110
Microsemi
DIODES UPP9401

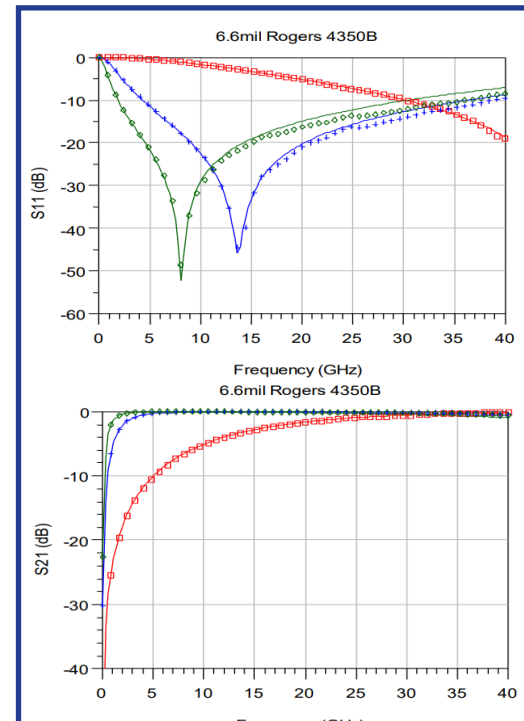
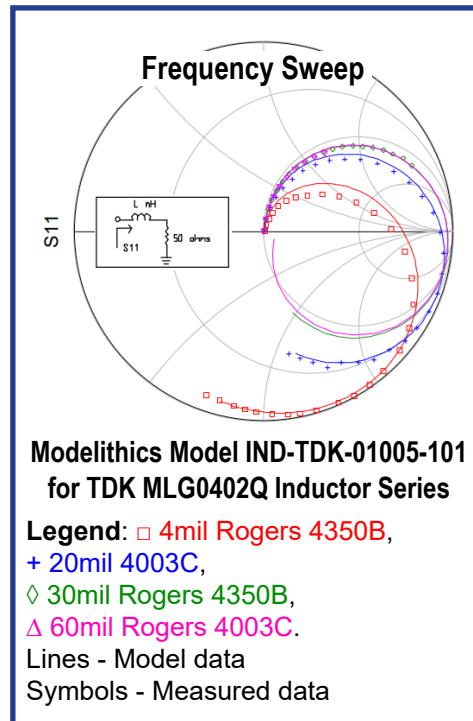
Motorola
MOSFET MRF1570
Murata
RESONATORS DRM020KER93, DRR030KE1R2
CAPACITORS GJM15, GQM188, GRM1555C1H, GRM155R71H, GRM1885C1H, GRM188R71H
NXP
NPNBJT PACKAGE BFS540
On_Semiconductor
DIODES MMBD301LT1
Passive Plus
CAPACITOR 0402N-ultra-low-ESR
Rohm
DIODE RB715F

SEDI
MESFET FLL120MK
Skyworks
DIODE SMV1147
TDK
INDUCTOR MLG0402Q
Toko
INDUCTOR LL1608-FSL
Vanguard
TRANSFORMER 100205
Vishay
CAPACITORS HPC0402A

Review the full list of available models in the [Modelithics COMPLETE Library](#). Also, be sure to check out the [Modelithics Pre-Release model list](#).

EXEMPLAR: 78 Models representing 3,671 Parts

COMPLETE: >825 Models representing >25,000 Parts



Email sales@Modelithics.com or visit www.Modelithics.com to request a FREE trial!