

Modelithics EXEMPLAR Library For Ansys® HFSS™

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 and filter models, non-linear transistor and diode models, and more. EXEMPLAR is designed to include all models needed to run the many example tutorial projects available on the Modelithics website.

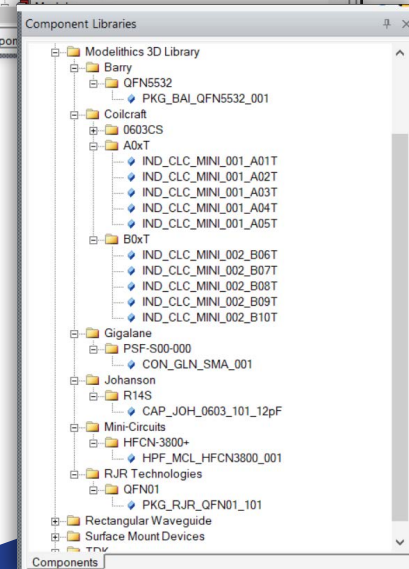
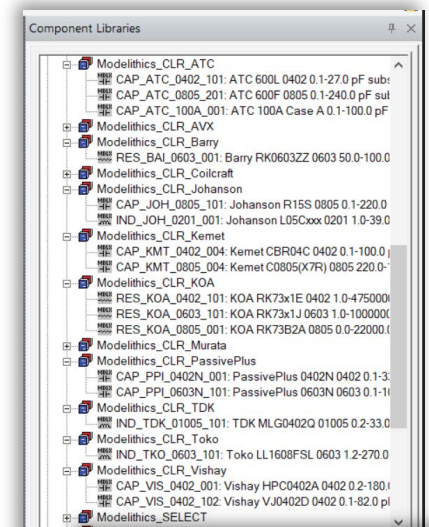
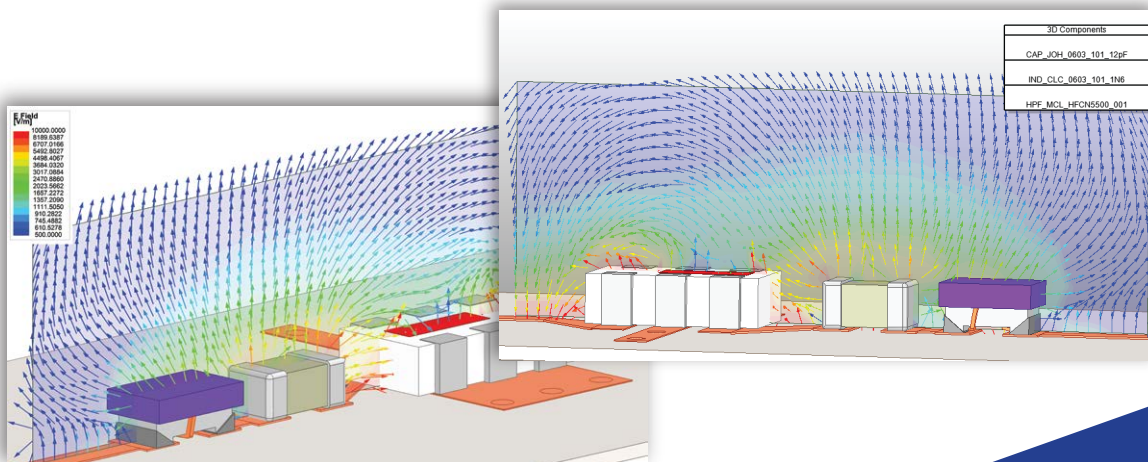
The EXEMPLAR Library is available to approved customers for a FREE trial and is also available to students and faculty members through the Modelithics University Program for educational wireless electronic design projects. See www.Modelithics.com/Model/Exemplar for more details.

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 is included in Modelithics EXEMPLAR for convenient access.

Example Projects in Modelithics EXEMPLAR Library

- 3D model simulation
- EM/circuit co-simulation
- Filter simulation
- Part-value scaling
- Substrate scaling
- Statistical analysis



Modelithics 3D inductor, capacitor, and filter models.

Components in the Modelithics EXEMPLAR Library for Ansys HFSS

CLR			
AVX (Capacitors) AccuP	AVX (Resistor) RP42010R0050GTTR	Barry (Resistor) RK0603ZZ	TDK (Inductor) MLG0402Q
ATC (Capacitors) 600L, 600F, 100A	Murata (Capacitors) GRM022(COG), GJM15, GRM1555C1H, GRM155R71H, GRM188R71H, GQM188, GRM1885C1H	Passive Plus (Capacitors) 0402N, 0603N	Johanson (Inductor) L05Cxxx
Coilcraft (Inductors) 0302CS, 0402CS, 0604HQ, 0805CS		Toko (Inductor) LL1608FSL	Johanson (Capacitor) R15S
Kemet (Capacitors) CBR04C, C0805(X7R)	KOA (Resistors) RK73x1E, RK73x1J, RK73B2A	Vishay (Capacitors) HPC0402A, VJ0402D	

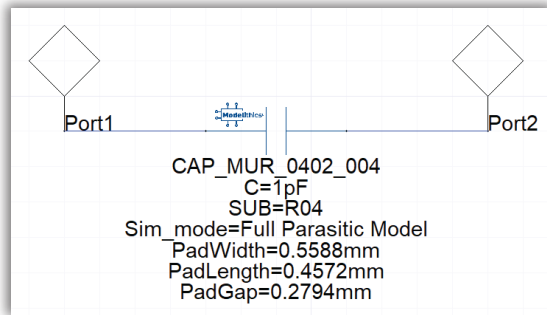
3D Models		
Coilcraft (Inductors) 0603CS, A0xT, B0xT	Johanson (Capacitor) R14S	Barry (Package) GFN5532
Mini-Circuits (Filter) HFCN-3800+	RJR Polymers (Package) QFN01	Gigalane (Connector) PSF-S00-000

SELECT+		
AVX (Capacitors) 600S, Accu-P	KOA (Resistor) RK73x1J	RJR (Package) QFN01
Barry (Resistor) RE0805CT	Murata (Capacitor) GRM2165C2A	Toko (Inductor) LL2012-FHL
Coilcraft (Inductor) 0603CS	Presidio (Capacitor) BB0502X7R104M	Würth Elektronik (Inductor) WE-MK

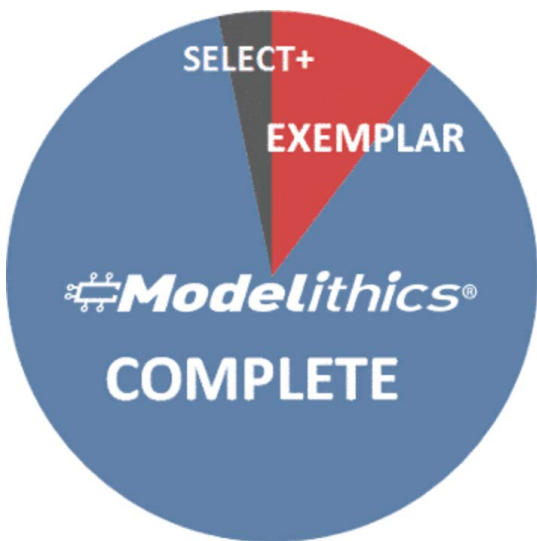
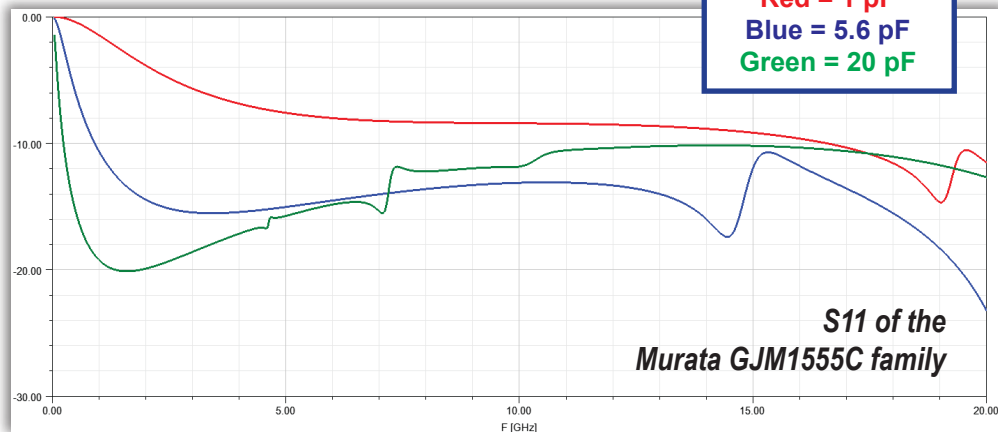
More to come! New models are added continually. Visit our website for an updated, complete list, and to see our available Pre-Release models (www.Modelithics.com)

EXEMPLAR: 32 Models representing 3,300 parts including 42 3D models

COMPLETE: >700 Models representing >18,000 parts including >200 3D models



Red = 1 pF
Blue = 5.6 pF
Green = 20 pF



To request a **FREE** Trial,
contact Modelithics at
sales@modelithics.com
or visit www.Modelithics.com