Johanson Technology Inc.

JTI S42E Library Installation Instructions for ADS 2009 Update1

Johanson Technology Inc. Applications Support

http://www.johansontechnology.com/en/ask-a-technical-question.html

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JTI S42E Version 1.5

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Overview

- These instructions will briefly cover the installation of Johanson Technology libraries for Agilent's Advanced Design System (ADS) version 2009 Update 1

Requirements

- ■ Agilent ADS 2009 Update 1

- ■ Johanson Technology Inc. libraries

  - ☐ Libraries located on http://www.johansontechnology.com/en/designer-libraries/agilent-ads-libraries.html
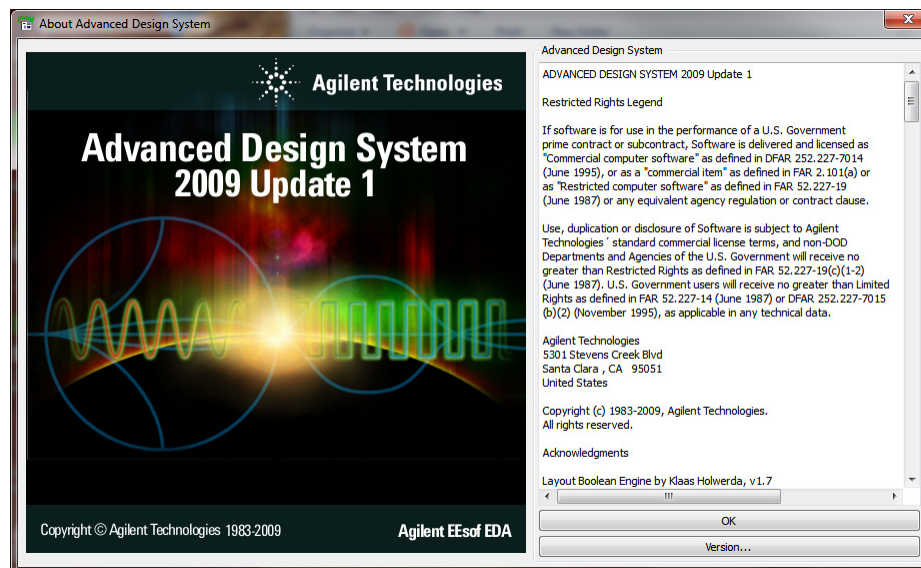
Important Notes

- During testing of libraries, it was observed file paths with spaces (e.g. c:\folder here\libraries) caused trivial errors
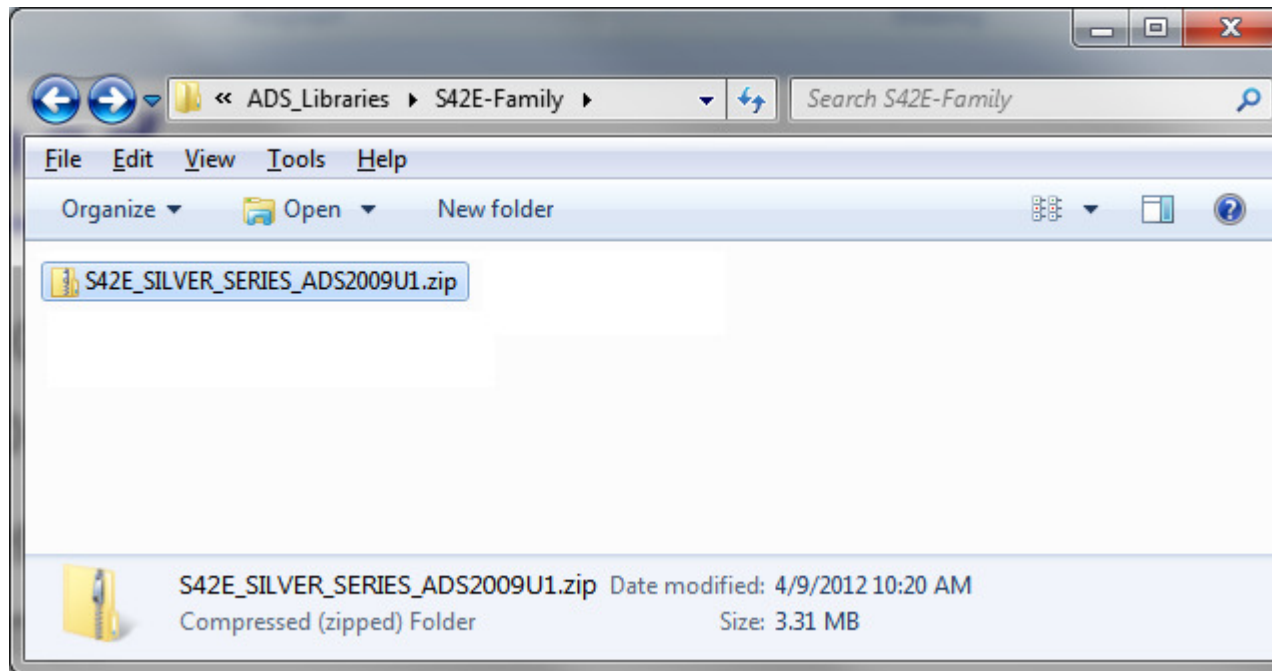
    There is a 'space' character between 'folder' and 'here'.

  □ It is highly recommended to download and save libraries in a root folder with <u>no spaces</u> (e.g. c:\jti\...)
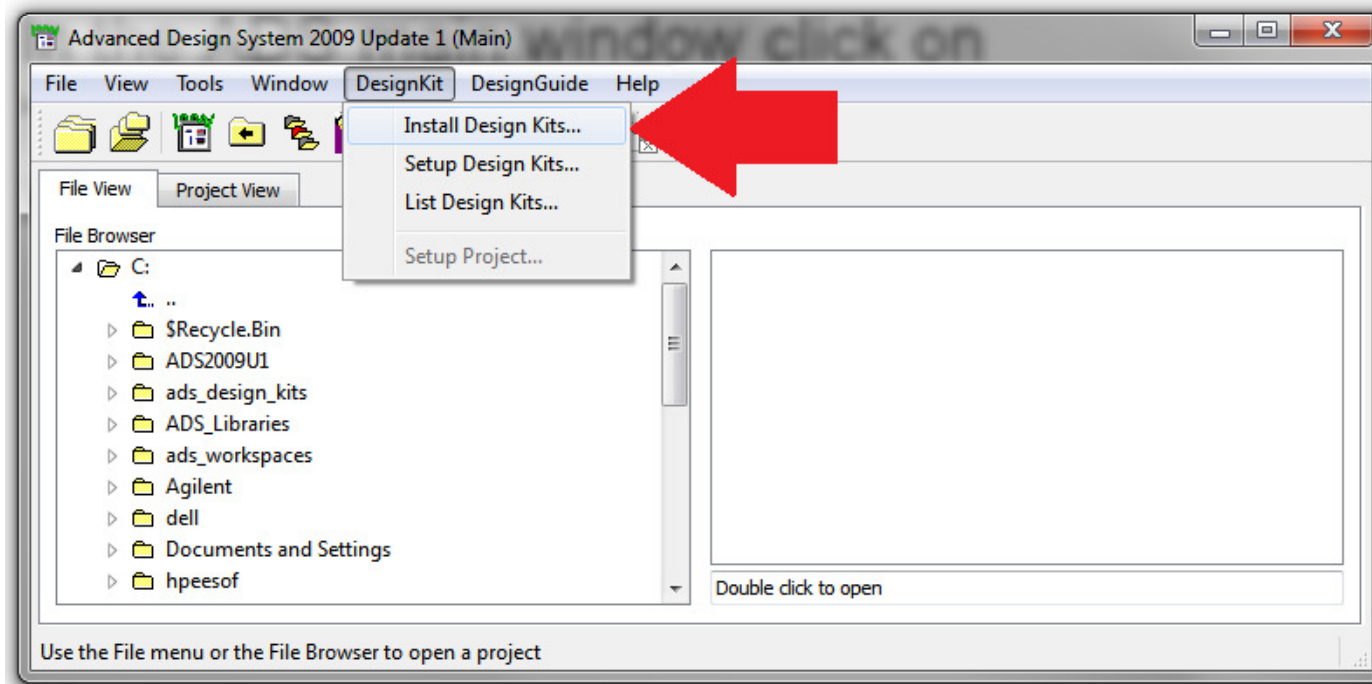
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Download

- Download all libraries from Johanson Technology website

- Silver Series Libraries are distributed in *.zip format

Installing Files in ADS 2009U1

- Launch ADS 2009U1

- In the ADS main window click on "DesignKits" and Select "Install Design Kits…"

Browse for Zipped Library File

- The library file will need to be unzipped prior to installing in ADS

- Click on "Unzip Design Kit Now" in the ADS Main window.

- Select S42E_SILVER_SERIES_ADS2009U1.zip

- Select a directory where to unzip library
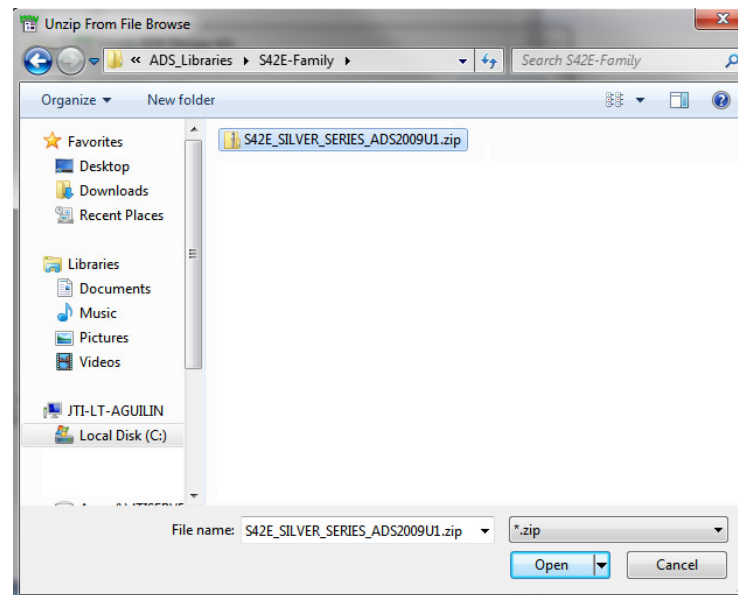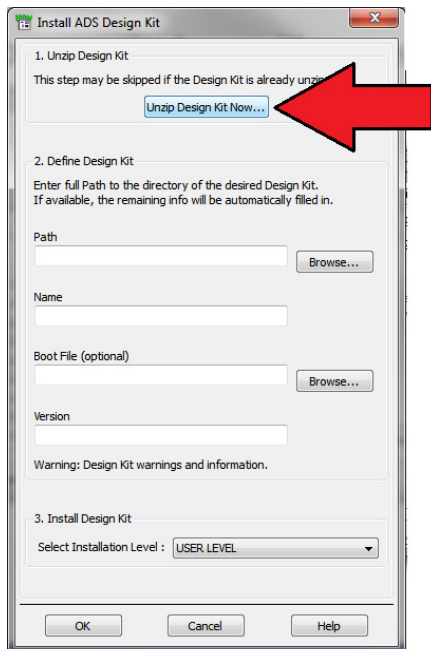
Finalizing Import

- If library was successfully selected the "Define Design Kit" section is populated with applicable information about the library file.
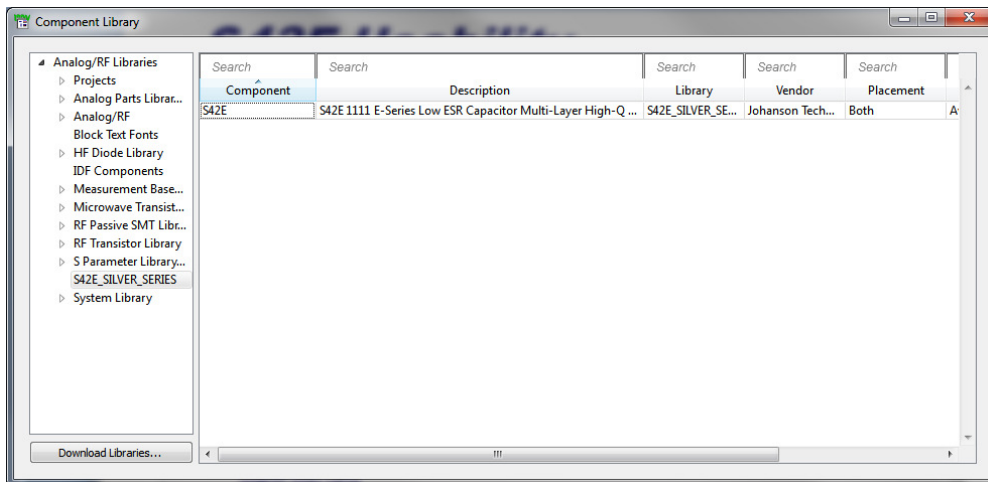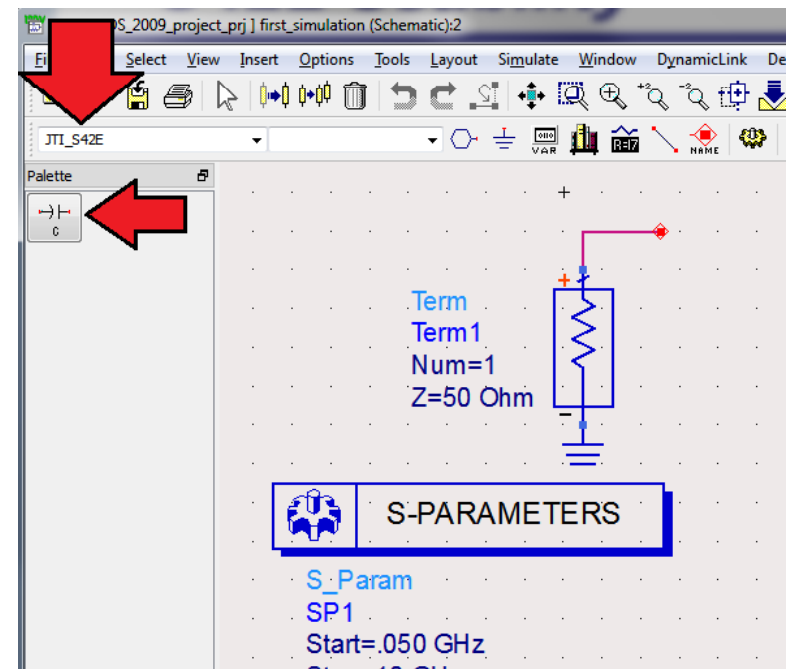
Click "OK" to complete the import

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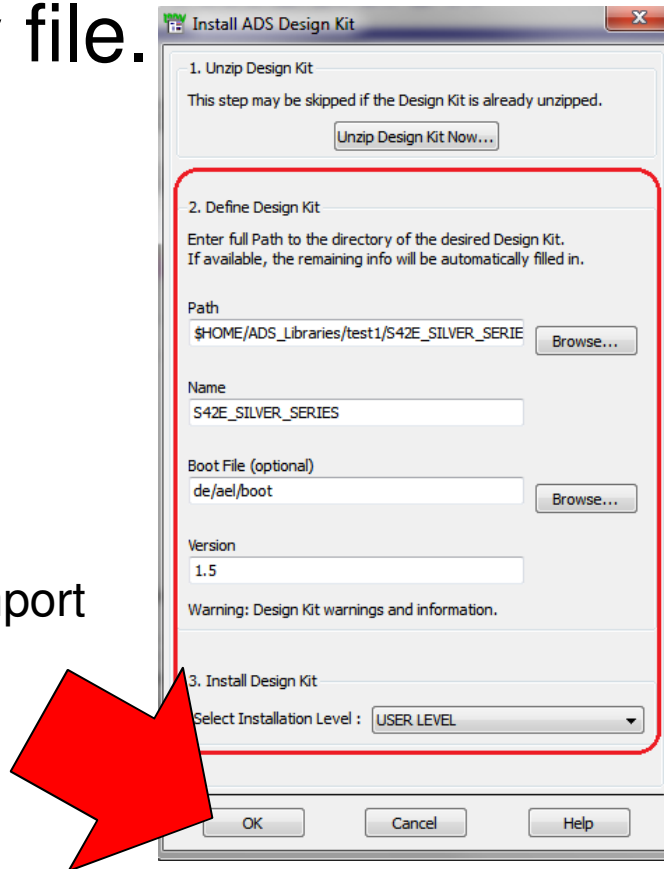
S42E Usability

- **The library import performs two tasks**
  - Import Library into the ADS "Component Library List"
  - Import pallet of S42E Series
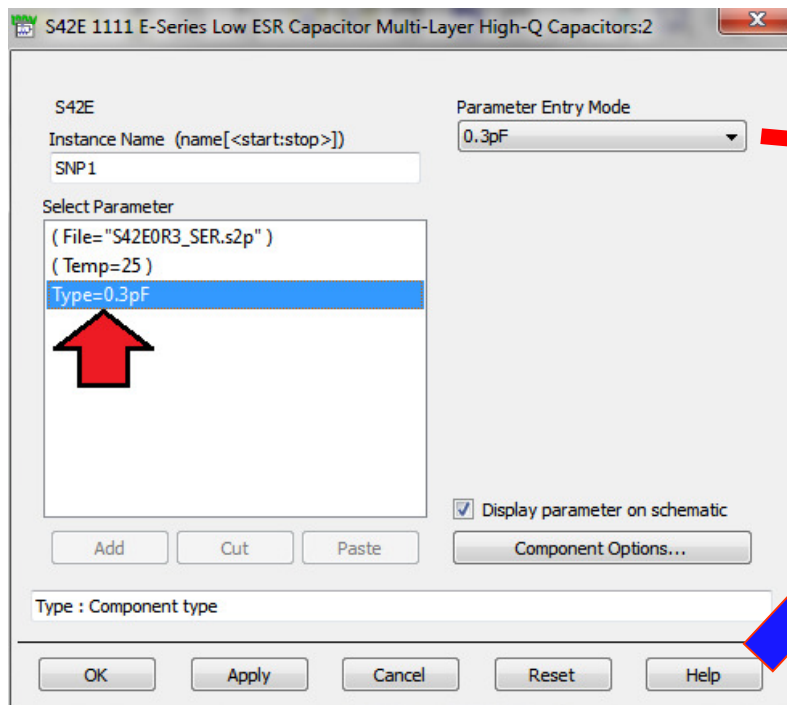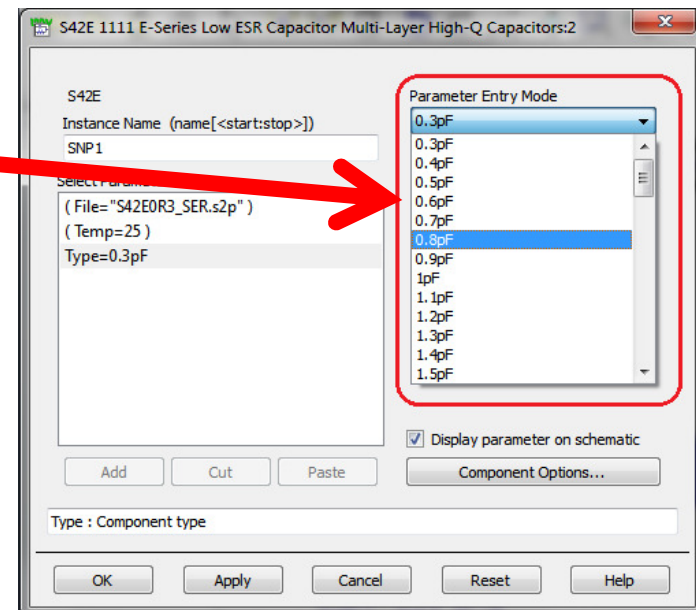
Component Library List

S42E Pallet

S42E Model Usability

- The latest variations of the S42E capacitors are available in 1- ADS part.

- Different values are selected inside part parameters.

- Click on "Type=" in the "Select Parameter" list

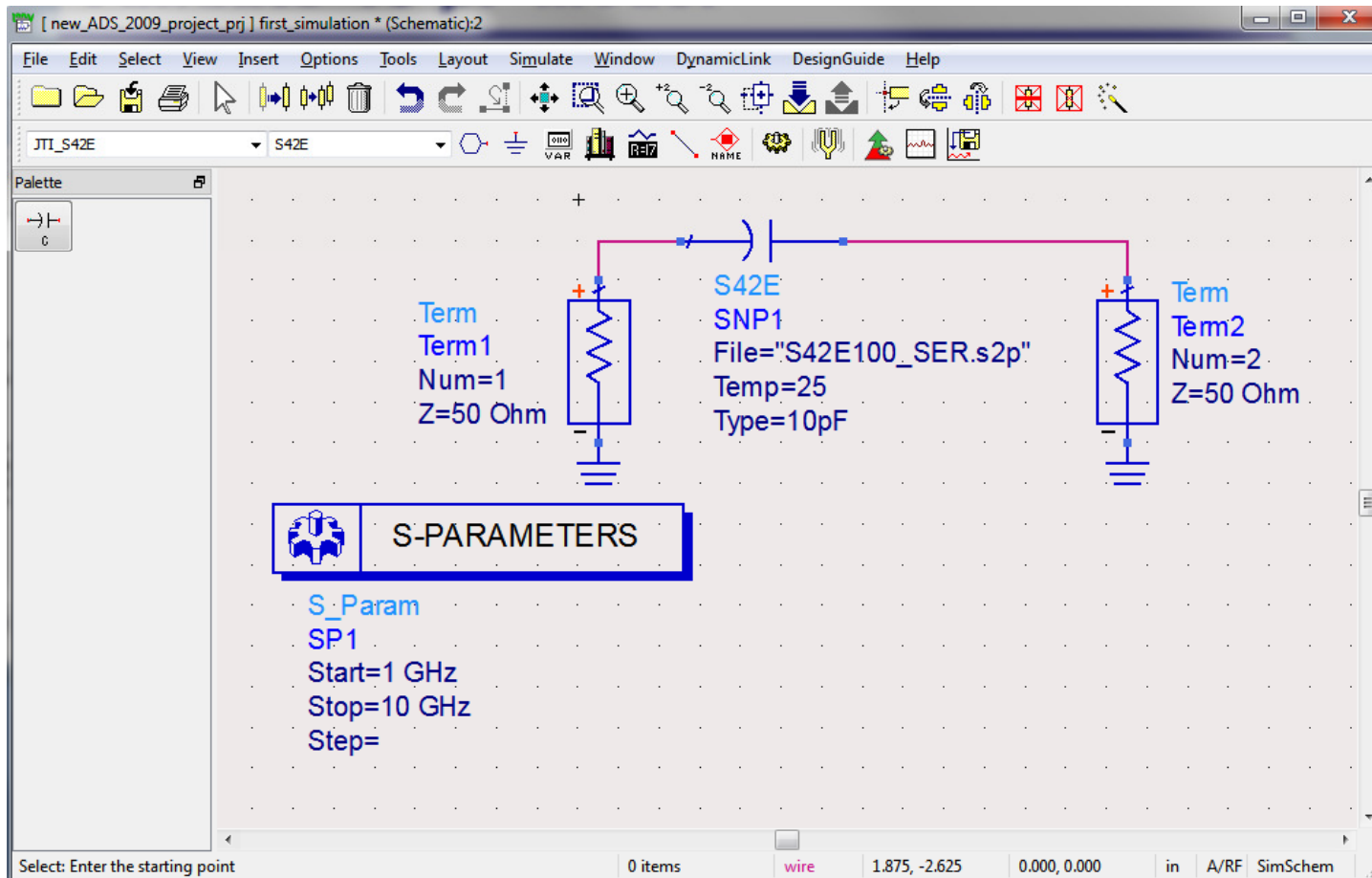- Choose any of the available values of capacitance

Note:
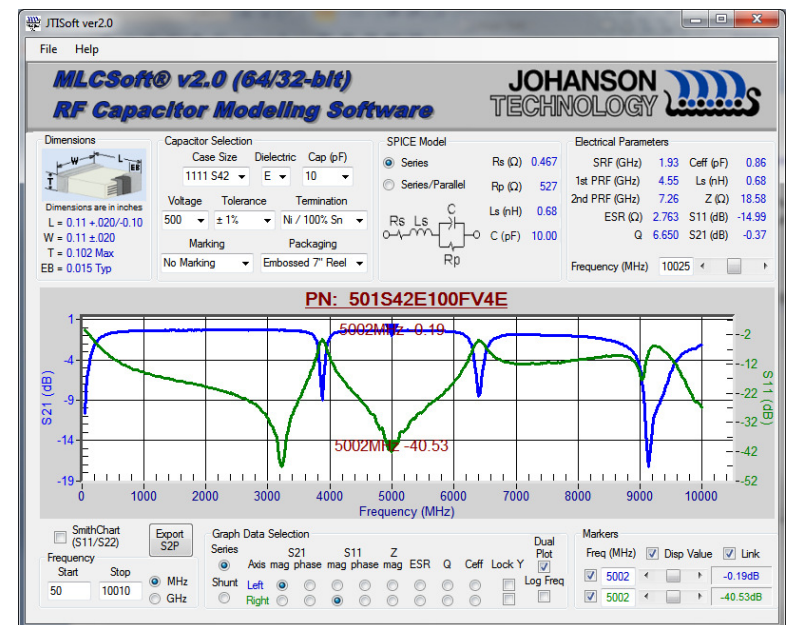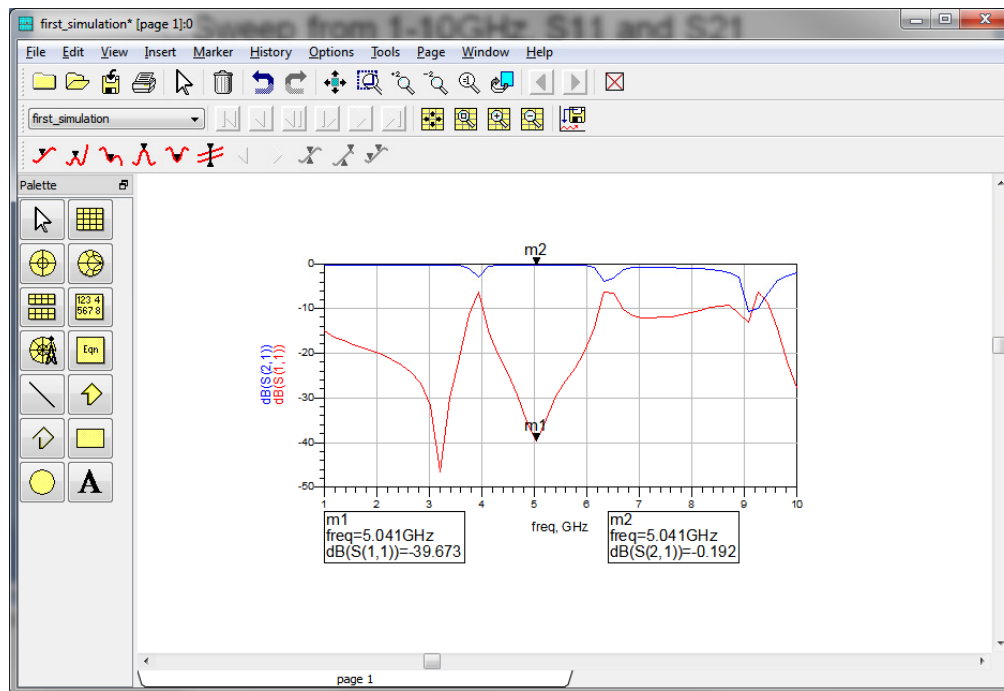The Help menu links to the S42E website,

Validate 10 pF Model

- ■ Using the 10pF value of a S42E MLCC
  - □ Sweep from 1-10GHz, S11 and S21

Sample Correlation

- Response plots in ADS correlate with Johanson Technology JTISoft tool*.

*JTISoft can be downloaded from http://www.johansontechnology.com/en/modeling-software.html

For: Questions, Samples, Comments

- ## We welcome your feedback
  - http://www.johansontechnology.com/en/ask-a-technical-question.html

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