

# Samsung Library Install Guide For Power SI

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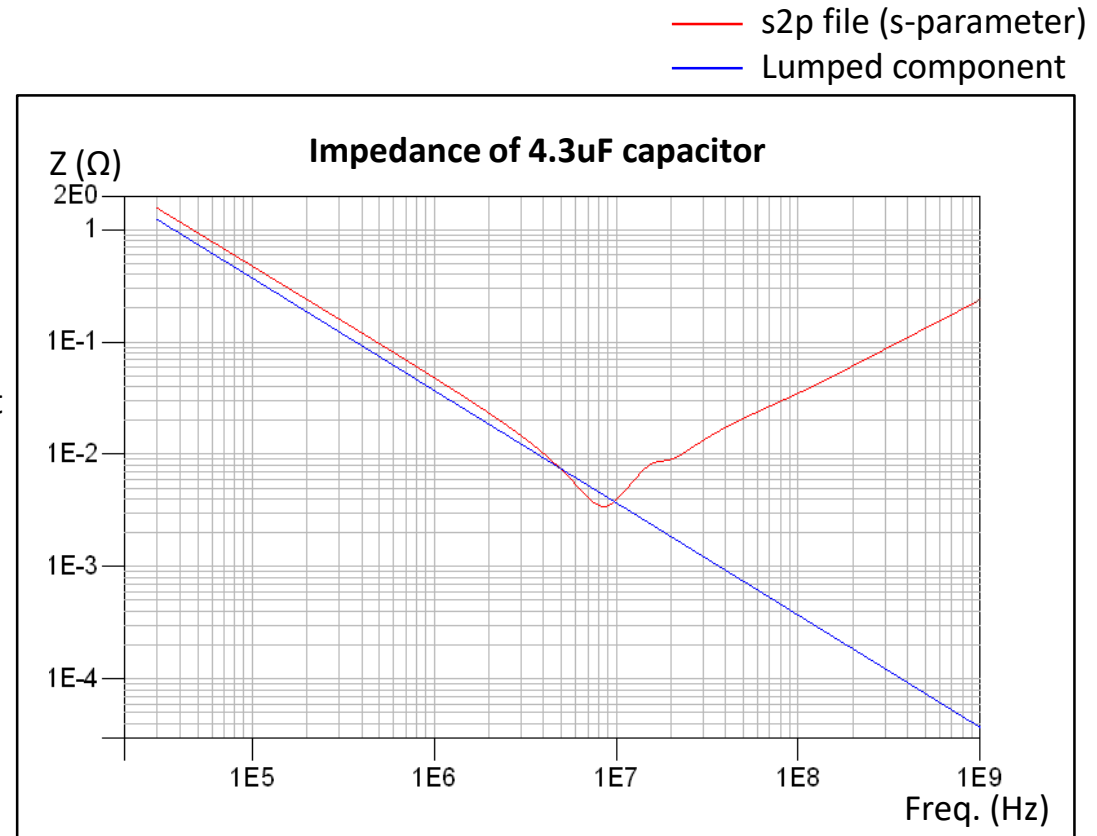
**1. Link s2p files to components**

**2. Link library package**

**3. Link s2p files to components**

# 01. Link s2p files to components

- **Link s2p files to component**
  - When user loads layout file, all component are Lumped.
  - Lumped components have ideal characteristics
  - For accurate simulation, use s-parameter or ckt circuit model.



## 02. Link library package

The image illustrates the process of linking a library package in Cadence through four numbered steps:

- Click "Tools" → "Analysis Model Manager".
- Select Project Library tab.
- Right click "Capacitor" then select "Load Library File".
- Browse amm file in library folder, user can see capacitors information.

Model Name	Size	Cap Model	Cnom (nF)	C	A	B	Upper Tol	Lower Tol	Average	TCC	VOLT (V)	Pri	Co	Pit Bo	Mi No	Mi La	La Ke
CL01Y104MR...	0306E	SPICE	100	1			20%	-20%	1	X7S	4	5					C. S...
CL01Y105MR...	0306E	SPICE	1000	1			20%	-20%	1	X7S	4	5					C. S...
CL02A102K02...	01005E	SPICE	1	1			10%	-10%		X5R	6.3	5					C. S...
CL02A103K02...	01005E	SPICE	10	1			10%	-10%		X5R	10	5					C. S...
CL02A103K02...	01005E	SPICE	10	1			10%	-10%		X5R	6.3	5					C. S...
CL02A104MR...	01005E	SPICE	100	1			10%	-10%		X5R	6.3	5					C. S...
CL02A104MR...	01005E	SPICE	100	1			20%	-20%		X5R	6.3	5					C. S...
CL02A104MR...	01005E	SPICE	100	1			20%	-20%		X5R	4	5					C. S...
CL02A222K02...	01005E	SPICE	2.2	1			10%	-10%		X5R	6.3	5					C. S...
CL02A224M0...	01005E	SPICE	220	1			20%	-20%		X5R	6.3	5					C. S...
CL02B102K02...	01005E	SPICE	1	1			10%	-10%		X7R	10	5					C. S...
CL02B221K02...	01005E	SPICE	0.22	1			10%	-10%		X7R	10	5					C. S...
CL02B331K02...	01005E	SPICE	0.33	1			10%	-10%		X7R	10	5					C. S...
CL02C010B0...	01005E	SPICE	0.001	1			10%	-10%		C0G	16	5					C. S...
CL02C030B0...	01005E	SPICE	0.002	1			5%	-5%		C0G	16	5					C. S...
CL02C030B0...	01005E	SPICE	0.003	1			3.3...	-3.3...		C0G	16	5					C. S...
CL02C040B0...	01005E	SPICE	0.004	1			2.5%	-2.5%		C0G	16	5					C. S...
CL02C070B0...	01005E	SPICE	0.007	1			1.4...	-1.4...		C0G	16	5					C. S...
CL02C080C0...	01005E	SPICE	0.008	1			3.1...	-3.1...		C0G	16	5					C. S...
CL02C090B0...	01005E	SPICE	0.009	1			1.1...	-1.1...		C0G	16	5					C. S...
CL02C093B0...	01005E	SPICE	0.0003	1			33...	-33...		C0G	16	5					C. S...

1. Click "Tools" → "Analysis Model Manager".  
User can see Analysis Model Manager window.
2. Select Project Library tab.
3. Right click "Capacitor" then select "Load Library File"
4. Browse amm file in library folder, user can see capacitors information.

## 02. Link s2p files to components

The image illustrates the process of linking s2p files to components in a Cadence software environment. It consists of four numbered steps:

- 1.** Click model name that user want to link s-parameter.
- 2.** Click "Assign" button then Model Assignment window pops up.
- 3.** Click Browse Model.
- 4.** Select Capacitor and confirm impedance curve then click select button

The screenshots show the Component Manager, Analysis Model Manager - Model Assignment, and Analysis Model Manager - Browse windows, along with a graph of Impedance (Ohm) vs Frequency (GHz) for a capacitor model.

1. Click model name that user want to link s-parameter.
2. Click "Assign" button then Model Assignment window pops up.
3. Click Browse Model.
4. Select Capacitor and confirm impedance curve then click select button