

ANSYS Electronics Desktop Circuit Simulator

(The former ANSYS
Designer/Nexxim)

User Manual





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1. About this manual

- This manual is for users of the design kit (the "library") that provides the parameters of Murata Manufacturing Co., Ltd. ("Murata"). It describes the operations from library installation to using the library in the schematic window.
 - Although operating the Library in accordance with this manual can basically perform the required operations, some operations may differ partially depending on the environment used.

2. Operation environment

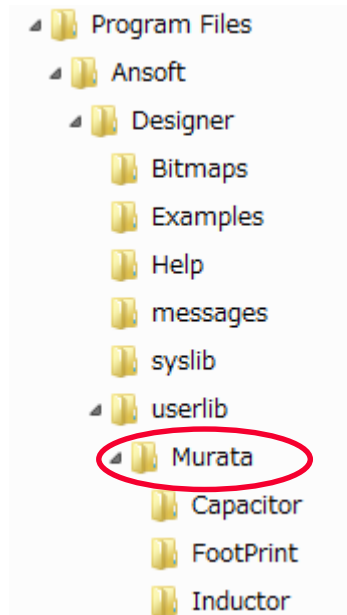


- This manual is described based on the following environment. See the manuals for the PC, etc. used in the actual environment.
 - OS: Windows 10, 8, 7
 - ANSYS Electronics Desktop Circuit Simulator: R16.0 or later

3. How to install (1)



1. Unzip the download file.
2. Copy the whole "Murata" folder into <ANSYS Installation Folder>/userlib.



If "Murata" folder of previous version exist, delete in advance.

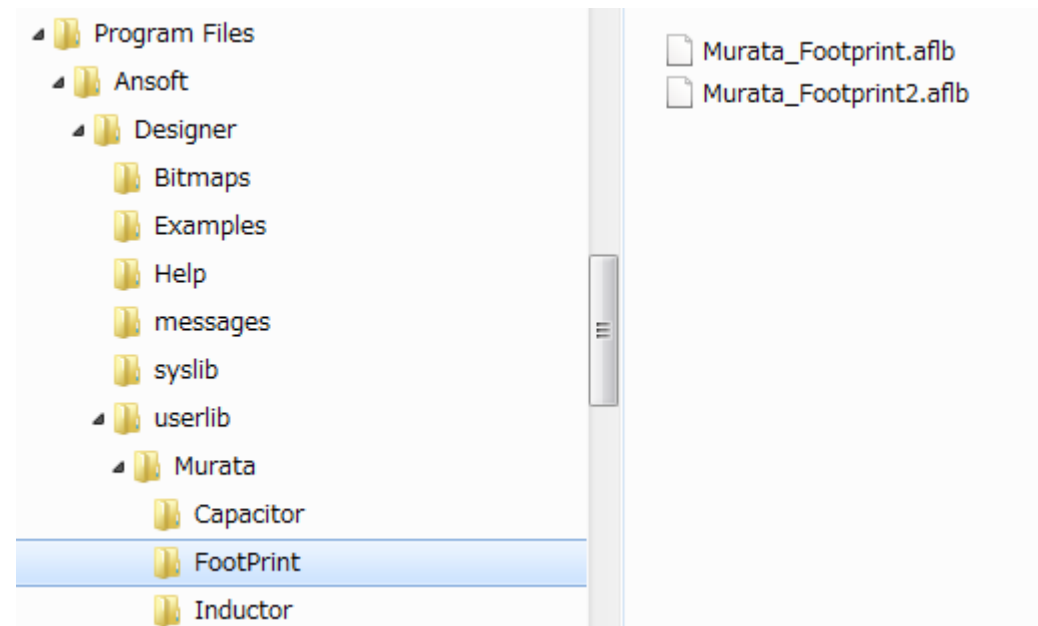
3. How to install (1)

<About FootPrint data>

- FootPrint data is of two types namely; FootPrint and FootPrint2.
 - FootPrint: minimum external terminal width
ex) <http://psearch.en.murata.com/capacitor/product/GRM329B11H103JA01%23.html>
 - FootPrint2: land pattern size
ex) <http://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM329B11H103JA01-01.pdf> (p.26)

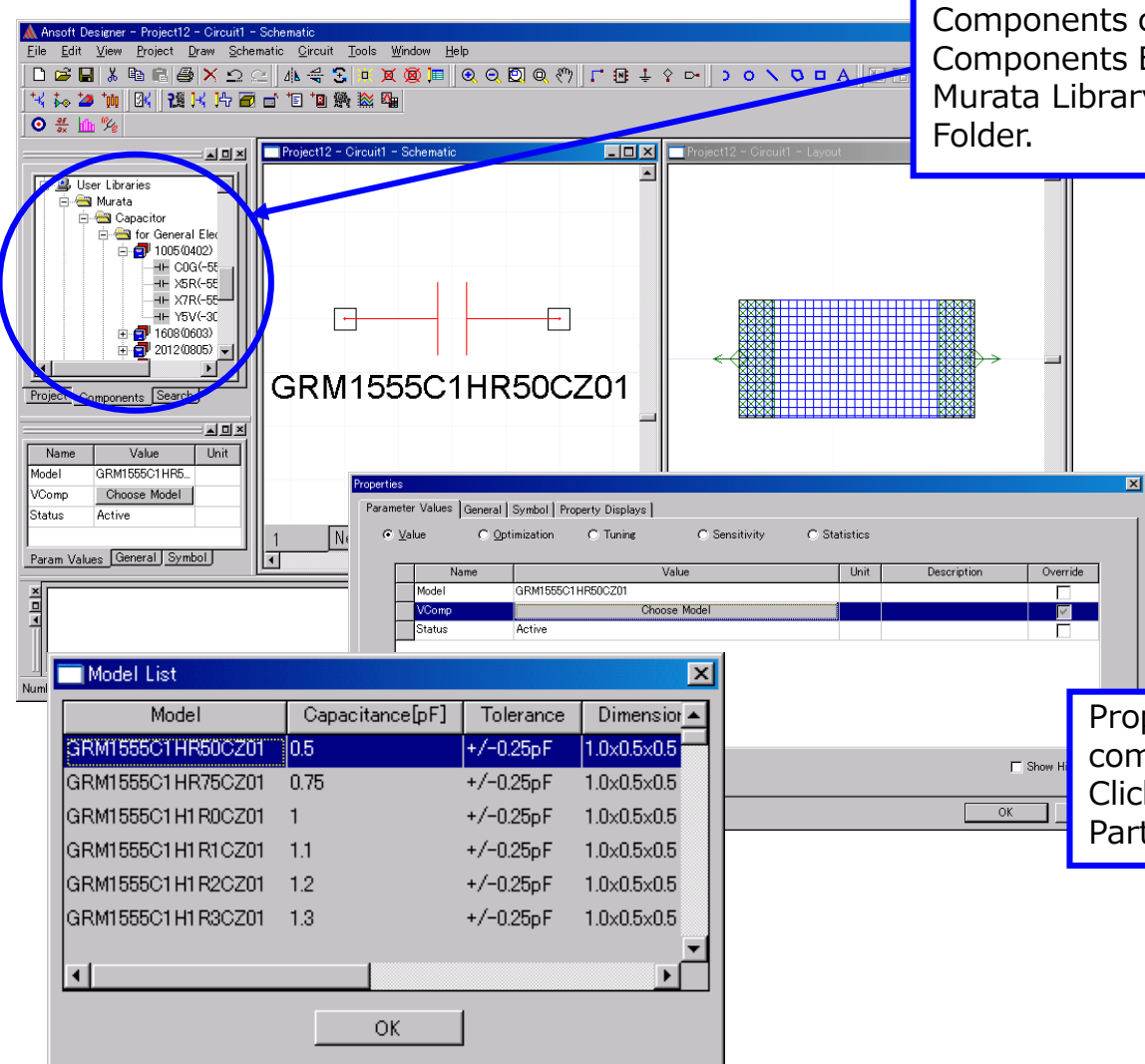
Note: Please make a choice between two FootPrint data, so delete or rename FootPrint file you don't use in installation folder. (ex "Murata_Footprint.aflb" -> "Murata_Footprint.aflb.bak")

- This completes the installation of the library.
- FootPrint data is written in units of mm.



4. How to use (1)

<Selecting Components>



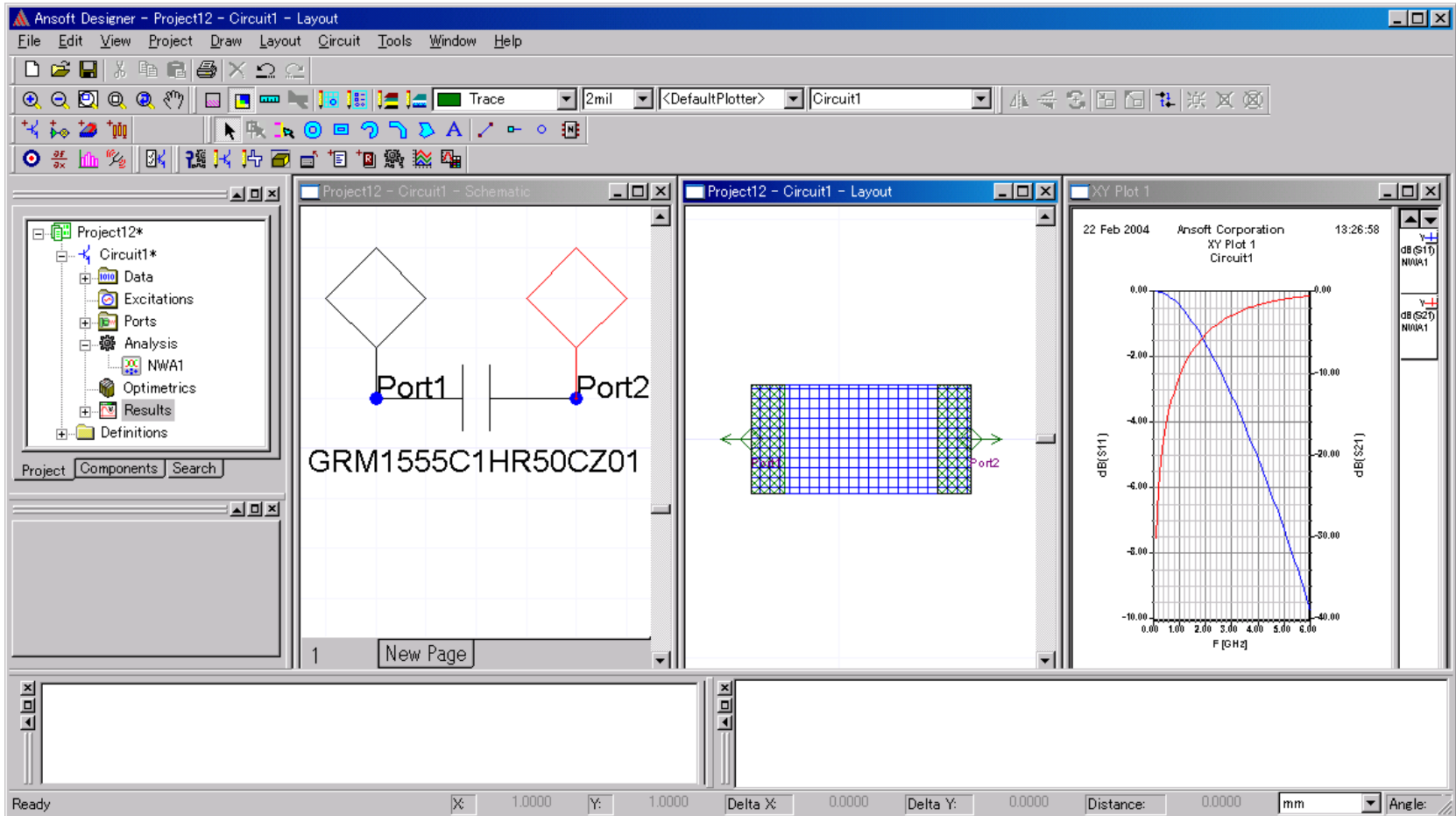
Components can be selected in Components Browser. Murata Library is stored in "Murata" Folder.

Properties window opens when the component is double clicked. Click "Choose Model" to select desired Parts.

Model	Capacitance[pF]	Tolerance	Dimension
GRM1555C1HR50CZ01	0.5	+/-0.25pF	1.0x0.5x0.5
GRM1555C1HR75CZ01	0.75	+/-0.25pF	1.0x0.5x0.5
GRM1555C1H1R0CZ01	1	+/-0.25pF	1.0x0.5x0.5
GRM1555C1H1R1CZ01	1.1	+/-0.25pF	1.0x0.5x0.5
GRM1555C1H1R2CZ01	1.2	+/-0.25pF	1.0x0.5x0.5
GRM1555C1H1R3CZ01	1.3	+/-0.25pF	1.0x0.5x0.5

4. How to use (2)

<Displaying Simulation Results>



By placing the Ports on your circuit or component, user can simulate the circuit and display the results. (Details are described in user manual.)

5. Contact



- For inquiries concerning this library, please go to the following inquiry form on our website.
 - <https://www.murata.com/contactform>