

# TAIYO YUDEN Component Library for Keysight PathWave RF Synthesis

- Installation manual -

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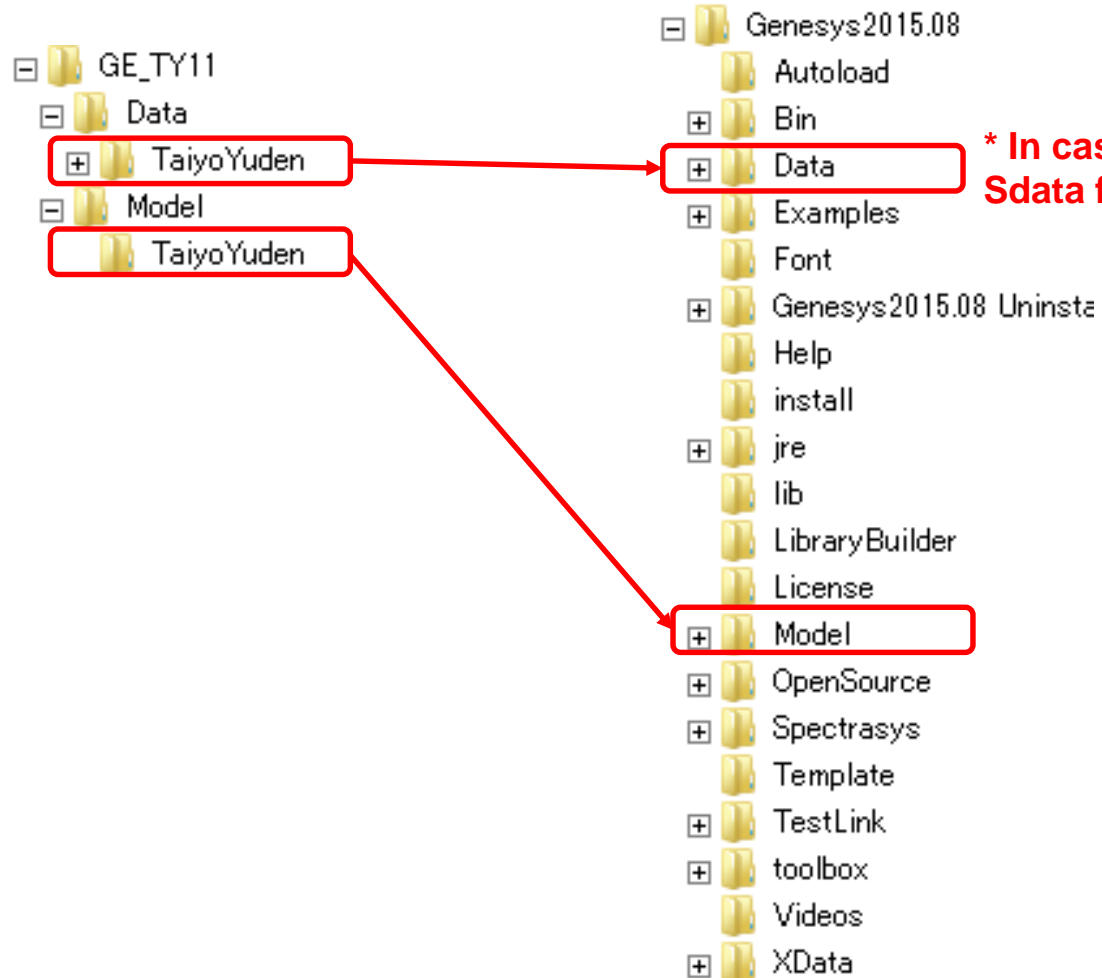
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# How to install Component Library

**Step 1.** Unzip “GE\_TY\*\*.zip”.

**Step 2.** Copy each TaiyoYuden folder in Data and Model folder in the library to Data(\*) and Model folder in PathWave RF Synthesis (referred to as Genesys) installed folder.

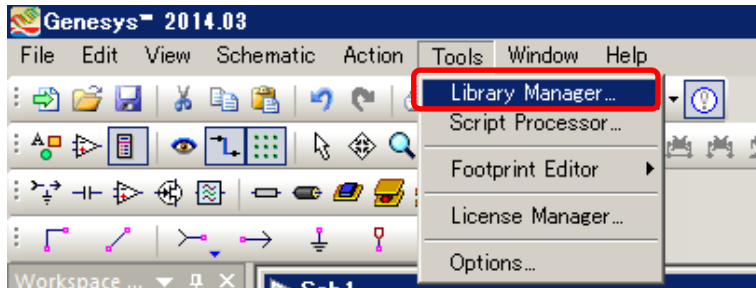


**\* In case of Genesys 2014.03, copy to Sdata folder instead of data folder.**

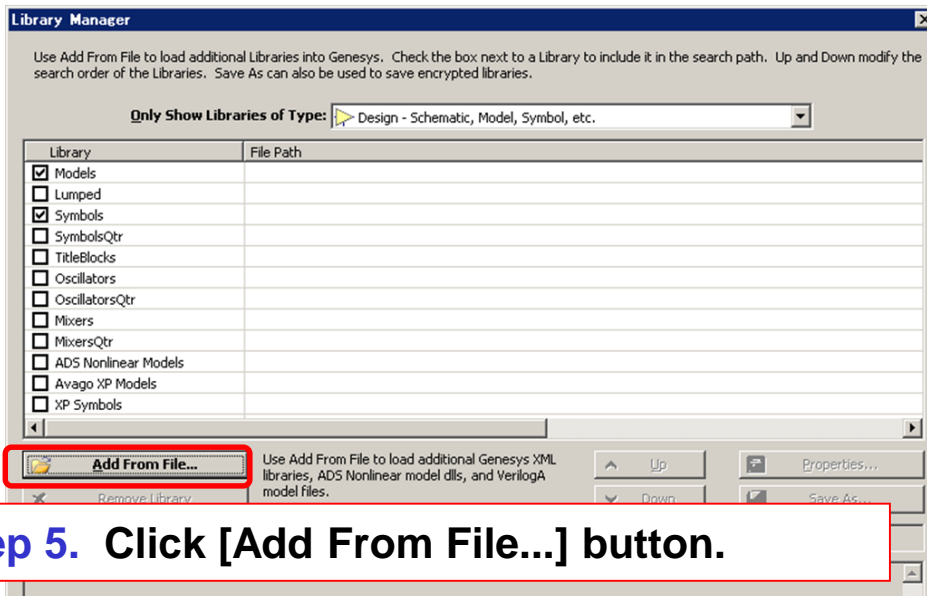
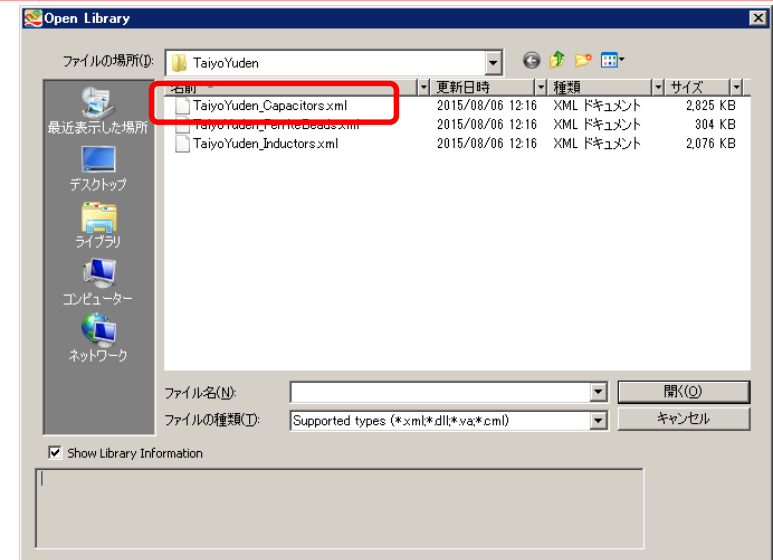
# How to install Component Library

**Step 3. Launch Genesys.**

**Step 4. Select Tools > Library Manager in toolbar to open Library Manager window.**



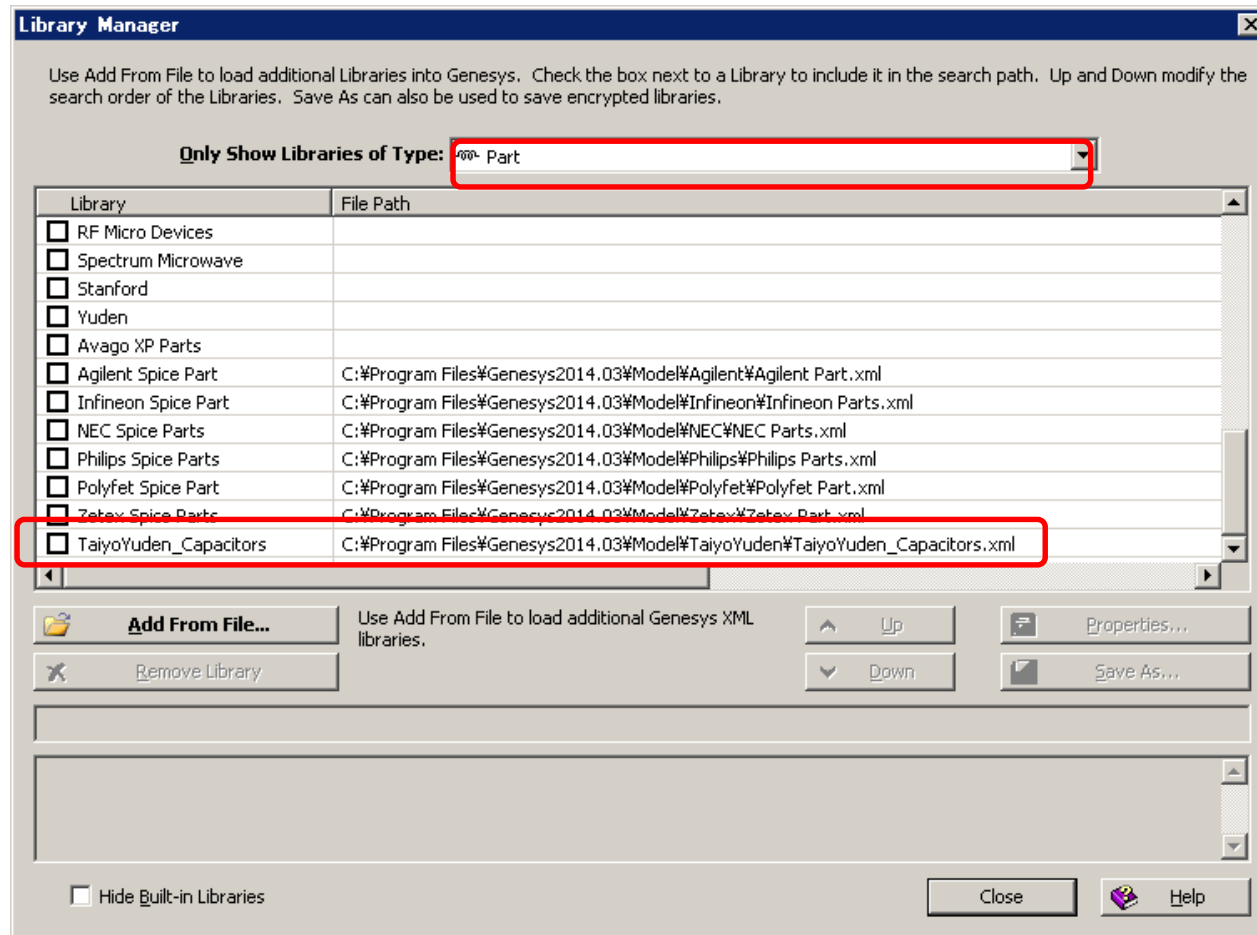
**Step 6. Open "TaiyoYuden\_Capacitor.xml" in <Genesys>\%Model%\TaiyoYuden folder created in Step 2.**



**Step 5. Click [Add From File...] button.**

# How to install Component Library

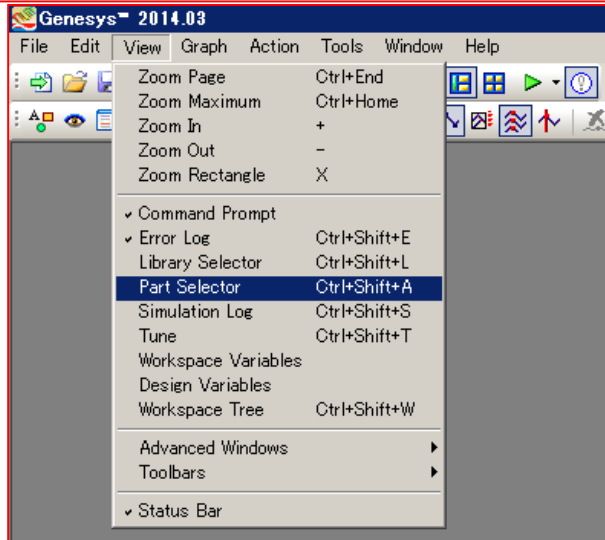
**Step 7. Select “Part” from “Only Show Libraries of Type” on Library Manager window and confirm that “TaiyoYuden\_Capacitors“ is listed.**



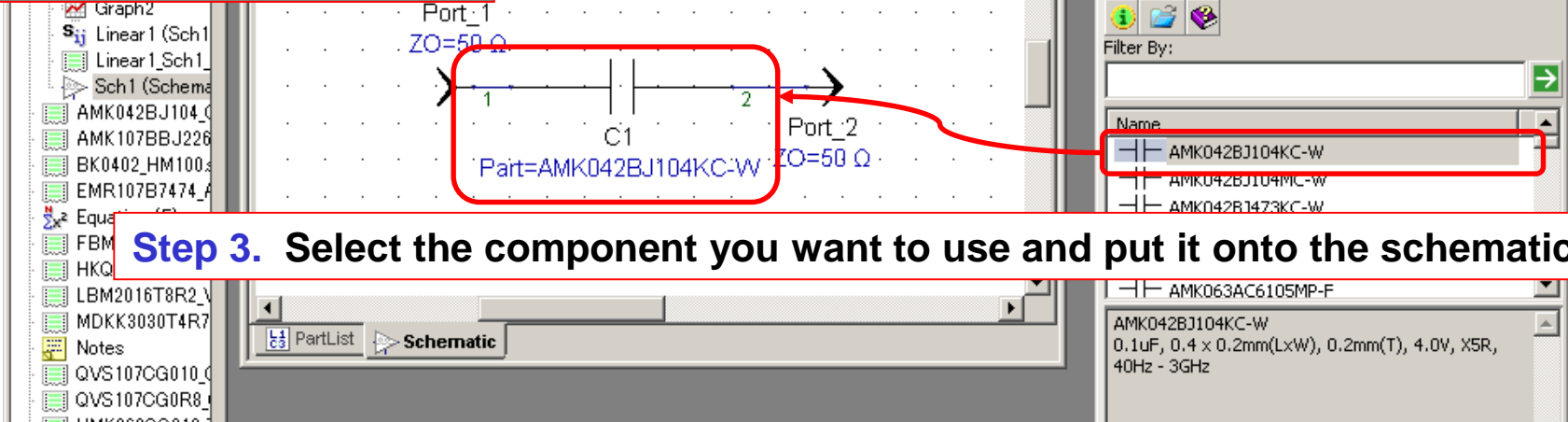
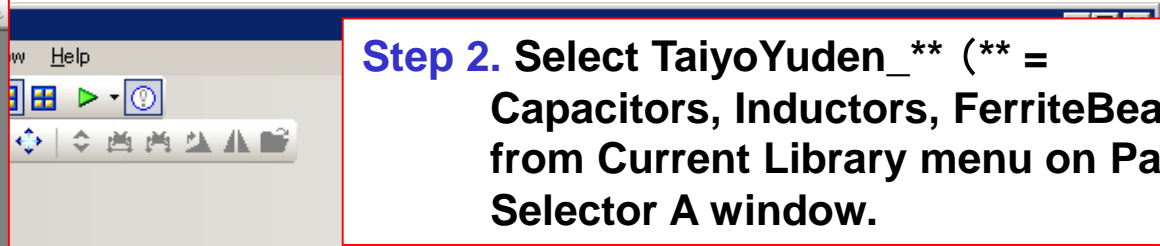
**Step 8. Apply the procedures from Step 5 to Step 7 to “TaiyoYuden\_Inductors”, “TaiyoYuden\_FerriteBeads”. That’s all for installation.**

# How to use Component Library

**Step 1. Select View > PartSelector in toolbar to open PartSelector window.**



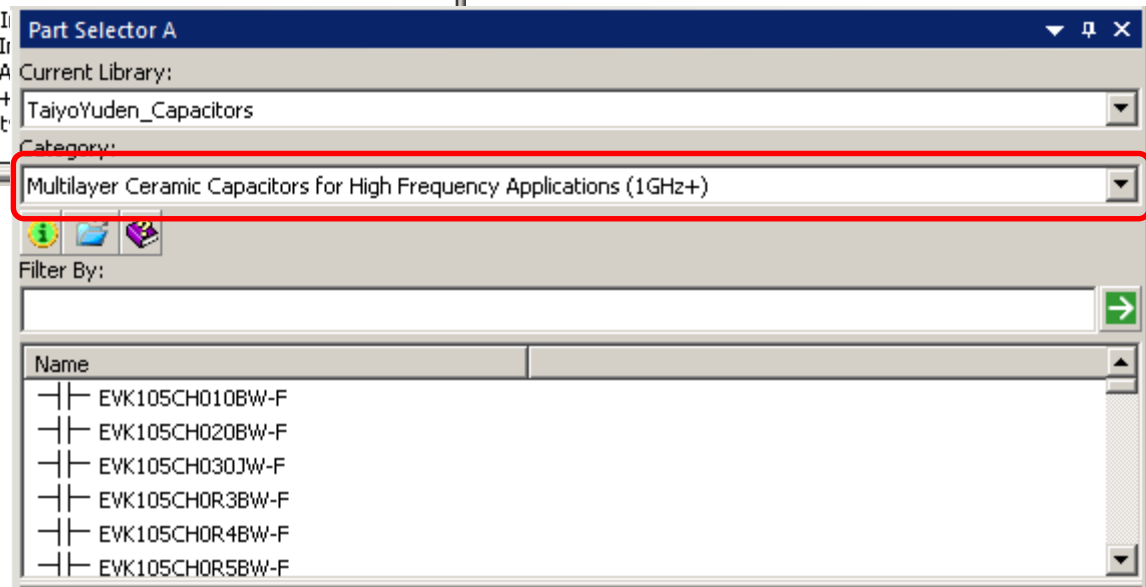
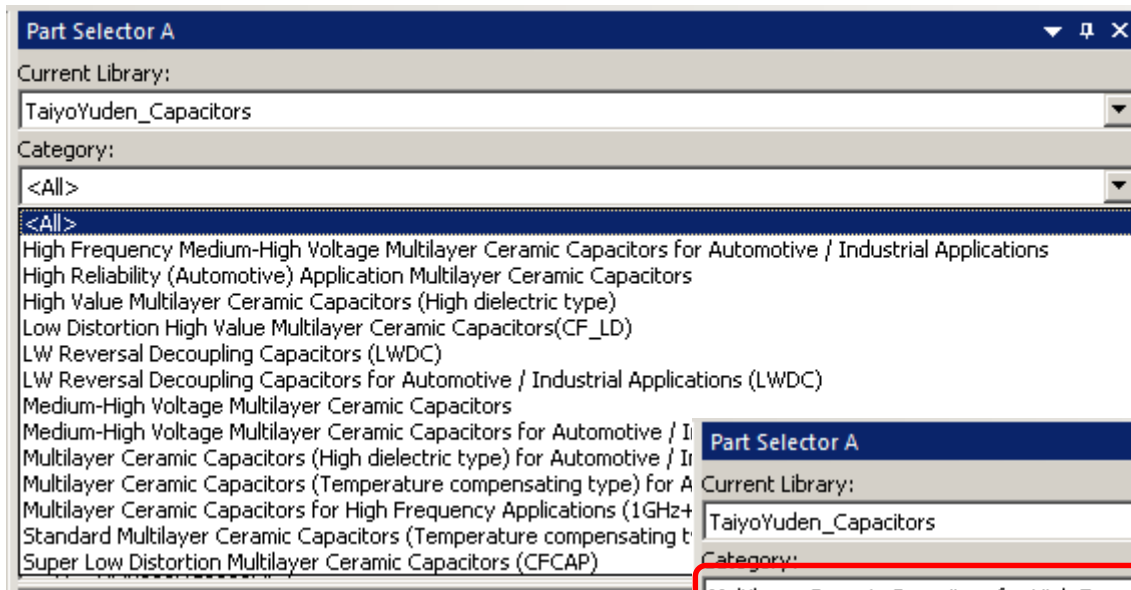
**Step 2. Select TaiyoYuden\_\*\* (\*\* = Capacitors, Inductors, FerriteBeads) from Current Library menu on Part Selector A window.**



**Step 3. Select the component you want to use and put it onto the schematic.**

# How to narrow down components in Library

You can narrow down components by selecting Taiyo Yuden product series from “Category” menu on Part Selector A window.

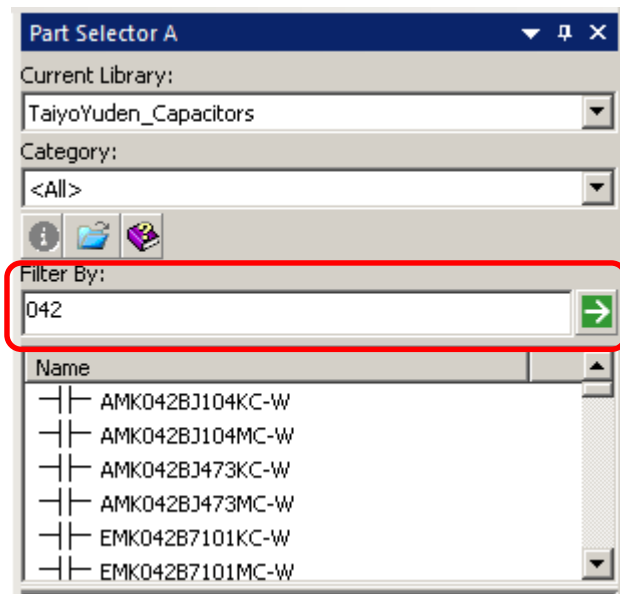


# How to narrow down components in Library

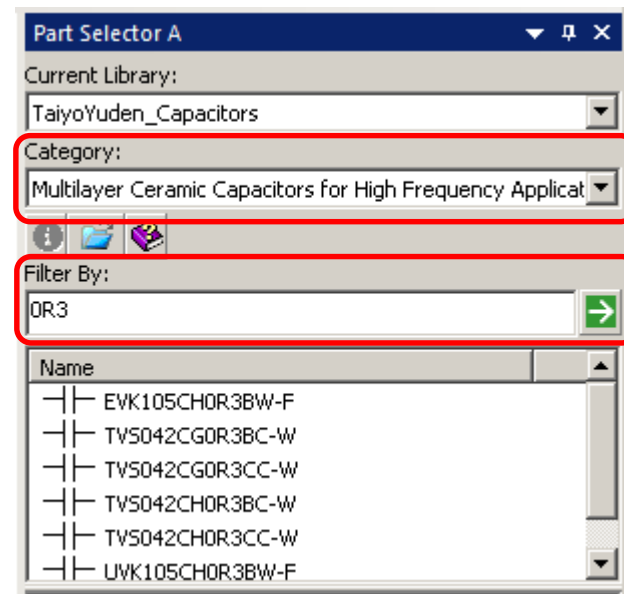
Partial matching retrieval for Taiyo Yuden part number is available in “Filter By” menu on Part Selector A window.

You can use this function together while narrowing down components by Taiyo Yuden product series.

Ex.) Capacitors of 0402 size are retrieved by specifying “042” expressing the size symbol in capacitor part number.



Ex.) Capacitors of 0.3pF capacitance are retrieved by specifying “0R3” expressing the capacitance symbol in capacitor part number, while capacitors for high frequency category are selected together.

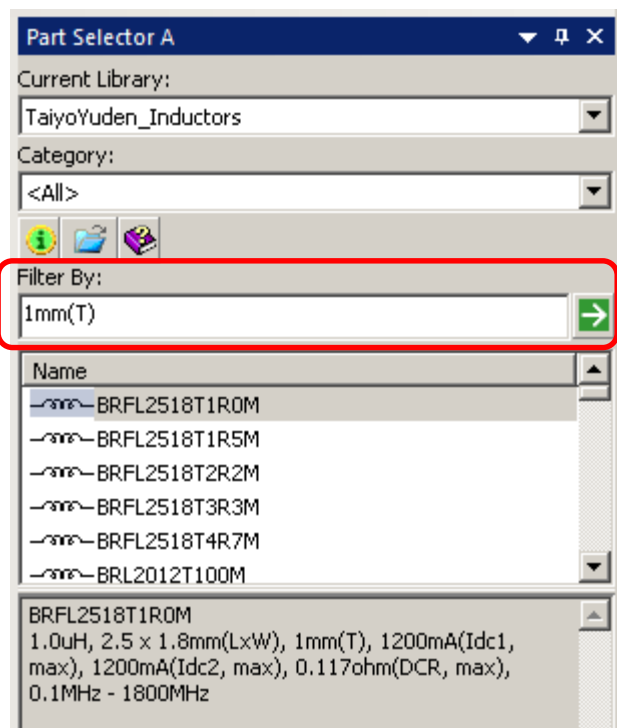




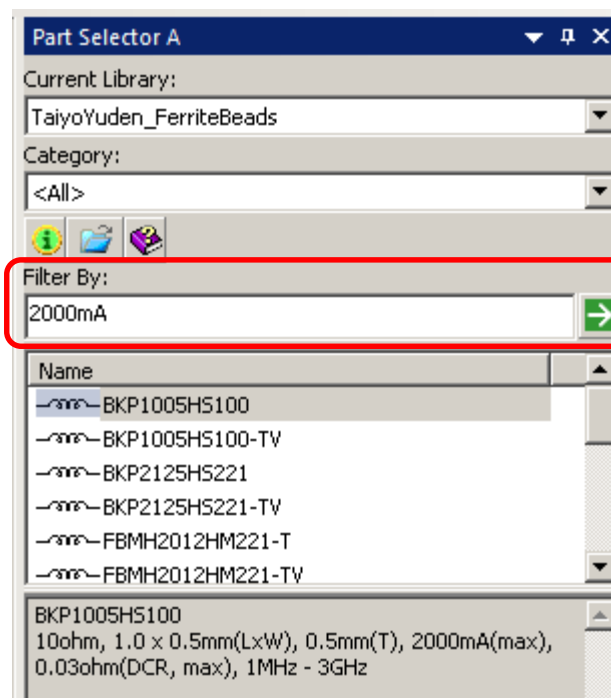
# How to narrow down components in Library

You can narrow down components using the information of part descriptions in “Filter By” menu on Part Selector A window.

**Ex.) Inductors of 1mm thickness are retrieved by specifying “1mm(T)” from part descriptions.**



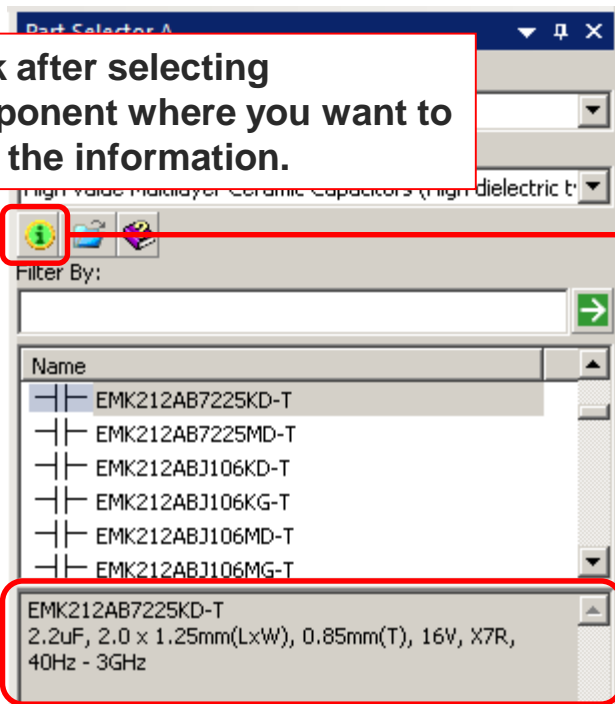
**Ex.) Ferrite Beads of 2A rated current are retrieved by specifying “2000mA” from part descriptions.**



# How to view component descriptions

You can view component information of the selected part at the bottom of Part Selector A window. In addition, you can view further component information on the internet browser by clicking information icon provided by TY-COMPAS, our component characteristic search system. Internet environments are needed to view this information.

Click after selecting component where you want to view the information.



component descriptions

Further component information is available on the internet browser provided by TY-COMPAS.

TY-COMPAS  
(Taiyo Yuden COMPONENT Assist System)

TAIYO YUDEN

Select Region Version information PRECAUTIONS FOR

EMK212AB7225KD-T  
(Previous Part Number: EMK212B7225KD-T)

CERAMIC CAPACITORS [High Value Multilayer Ceramic Capacitors (High dielectric type)]

Specifications	
Status	Mass Production
Capacitance	2.2 uF ± 10 %
Case Size(EIA/JIS)	0805/2012
Rated Voltage	16 V
tanD(max)	5 %
Temperature Characteristic	X7R
Temperature Range(EIA)	-55 to +125 °C
HALT(% Rated Voltage)	150 %
Insulation Resistance(min)	100 MΩ·uF
Dimension L	2.0 +0.15/-0.05 mm
Dimension W	1.25 +0.15/-0.05 mm
Dimension T	0.85 ±0.10 mm
Dimension E1	0.50 ±0.25 mm
RoHS2 Compliance	Yes
REACH Compliance	Yes
IEC62474 Compliance	Yes
Soldering	Reflow
Standard Quantity	Taping paper 4000pcs

Appearance	

**Features**

Improved higher density mounting.

Monolithic structure provides higher reliability.

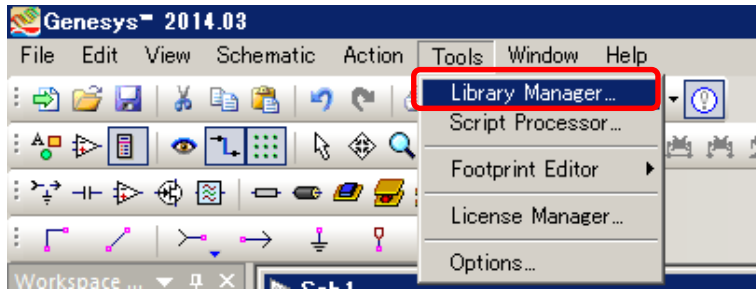
A wide range of capacitance values available in standard case sizes.

The use of nickel as electrode material and plating processing improve the solderability and heat resistance characteristics. It also prevents migration and raises the level of reliability.

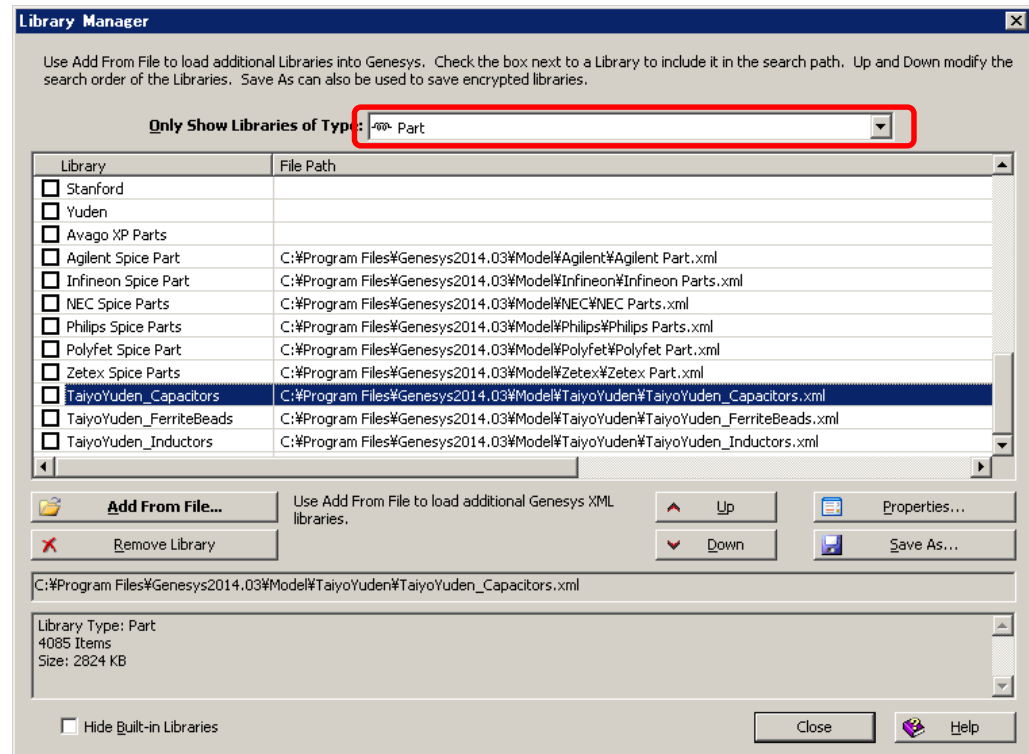
Low equivalent series resista EMK212AB7225KD-T CERAMIC CAPACITORS TAIYO YUDEN Co.,Ltd.

# How to uninstall Component Library

**Step 1. Select Tools > Library Manager from toolbar to open Library Manager window.**

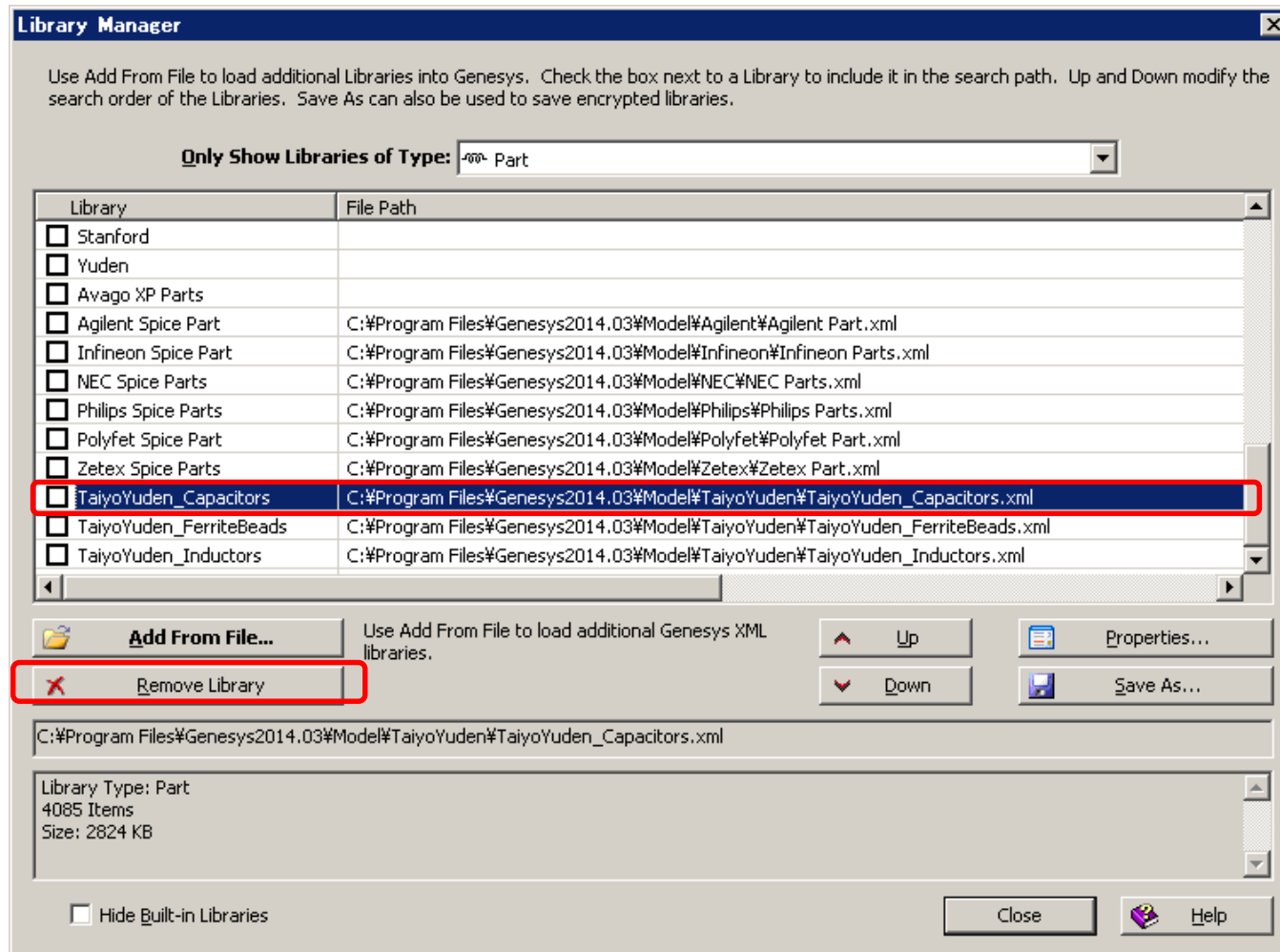


**Step 2. Select “Part” from “Only Show Libraries of Type” on Library Manager window.**



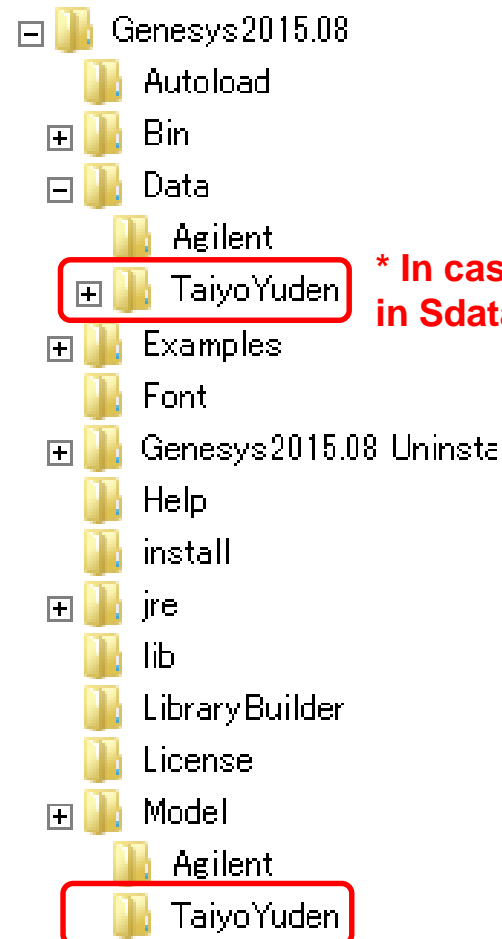
# How to uninstall Component Library

**Step 3.** Select “TaiyoYuden\_Capacitors” from component library list on Library Manager window and click “Remove Library” button. Repeat this for “TaiyoYuden\_Inductors” and “TaiyoYuden\_FerriteBeads”.



# How to uninstall Component Library

**Step 4.** Delete each TaiyoYuden folder in Data(\*) and Model folder in Genesys installed folder. That's all for unistallation.



**\* In case of Genesys 2014.03, delete Taiyo Yuden folder in Sdata folder instead of Data folder.**