

# **TAIYO YUDEN Component Library for Cadence Spectre**

- Installation manual -

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# Contents

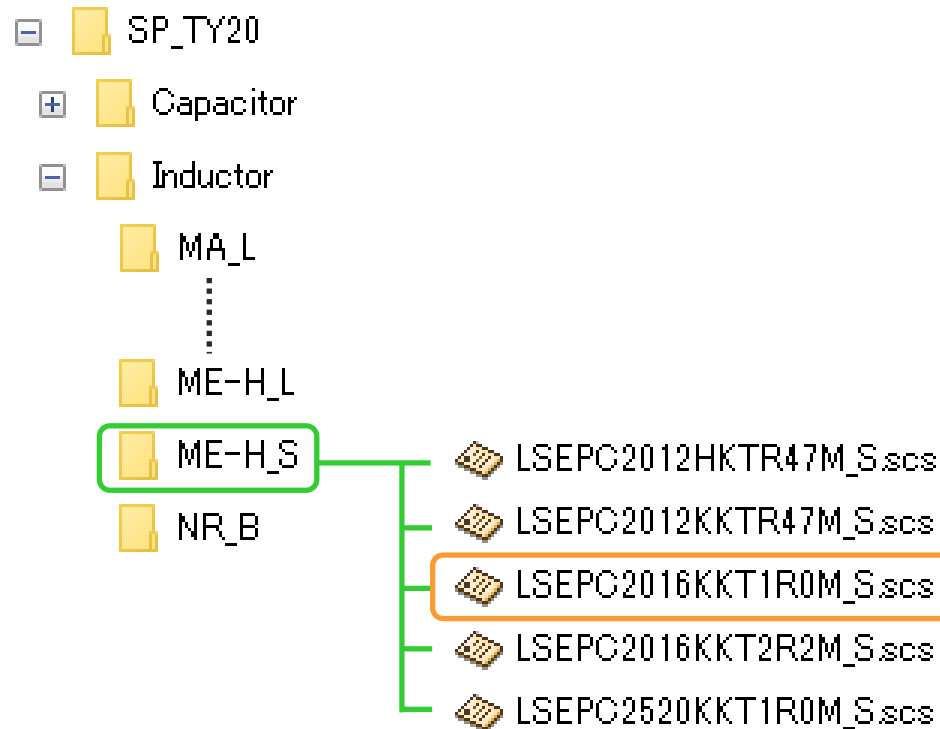
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- \* **How to install Component Library (P3)**
- \* **How to use Component Library (P4-P5)**

# How to install Component Library

**Step 1.** Unzip “SP\_TY\*\*.zip”.

**Step 2.** Copy the netlist file(.scs) you would like to use to any folder you like.



# How to use Component Library

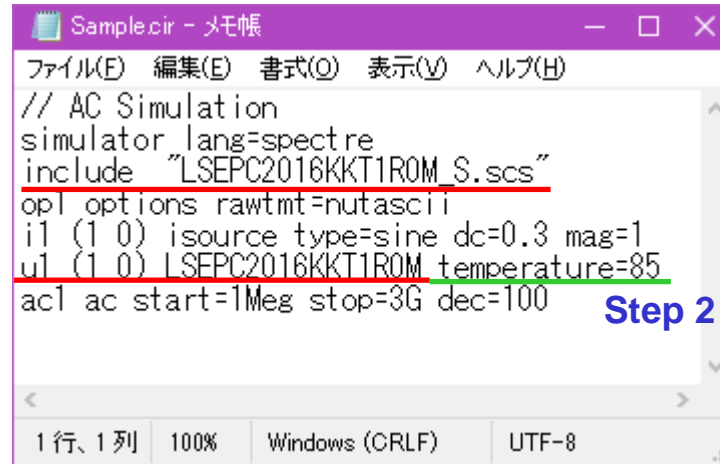
**Step 1.** Describe the library in the netlist.

**Step 2.** Add the ambient temperature after the described library.

(In case of writing no parameter, 25C is set as the ambient temperature.)

## netlist example

Step 1



```
Sample.cir - メモ帳
ファイル(E) 編集(E) 書式(O) 表示(V) ヘルプ(H)
// AC Simulation
simulator lang=spectre
include "LSEPC2016KKT1ROM_S.scs"
opl options rawtmt=nutascii
i1 (1 0) isource type=sine dc=0.3 mag=1
u1 (1 0) LSEPC2016KKT1ROM temperature=85
ac1 ac start=1Meg stop=3G dec=100
```

Step 2

\*1 Refer to the Spectre manual for the description of the netlist.

\*2 The ambient temperature here only works for the described library, not for the whole circuit.

# How to use Component Library

**Step 3.** Perform the simulation from the terminal window of Linux etc.



```
/MLCC  
ファイル(F) 編集(E) 表示(V) 検索 (S) 端末(T) ヘルプ(H)  
[ MLCC]$ spectre sample.cir
```

**TAIYO YUDEN**