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# TDK Component Library for Cadence<sup>®</sup> AWR Design Environment<sup>®</sup> Microwave Office<sup>®</sup>

ver. 2015.07

**TDK Corporation  
Electronic Components Business Company  
Products & Application Collaboration Dept.**

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## < Applicable condition >

The data in this library is obtained under the condition of 25°C, no DC bias, and small signal operation. Proper result might not be obtained if your condition is different from the above one.

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## < Feature of this library >

- The actual property of components can be taken into your circuit simulation because S-parameter data of each product is included in this library.
- Artwork data (recommended pcb pattern) of parts are included
- Easy operation like standard Microwave Office's components.
- Links to PDF catalog and detailed information of products are available.

## < Supported versions >

This library has been built by Microwave Office version 9.03. If you are using Microwave Office less than version 9, the library might not work properly. Please acknowledge it beforehand.

## < Contents in this document >

This document is described assuming the following environment.

OS: Windows XP

Microwave Office: version 9.03

On different OS, or versions of Microwave Office, screen display and/or operation procedure may not correspond to the contents of this document. Please acknowledge it beforehand.

## < Inquiries about Microwave Office >

For inquiries about Microwave Office, please contact:

Cadence Design Systems, Inc. :

[https://www.cadence.com/en\\_US/home/company/contact-us.html](https://www.cadence.com/en_US/home/company/contact-us.html)

**< Summary of updates in version 2015.07 >.**

- Product list has been updated.

**< Products contained in version 2015.07 >**

- Multilayer Ceramic Chip Capacitors
- 3-Terminal Feedthrough MLCCs
- Inductors
- Chip Beads
- 3-Terminal Filters
- Common Mode Filters
- Varistors

# How to install the library (1)

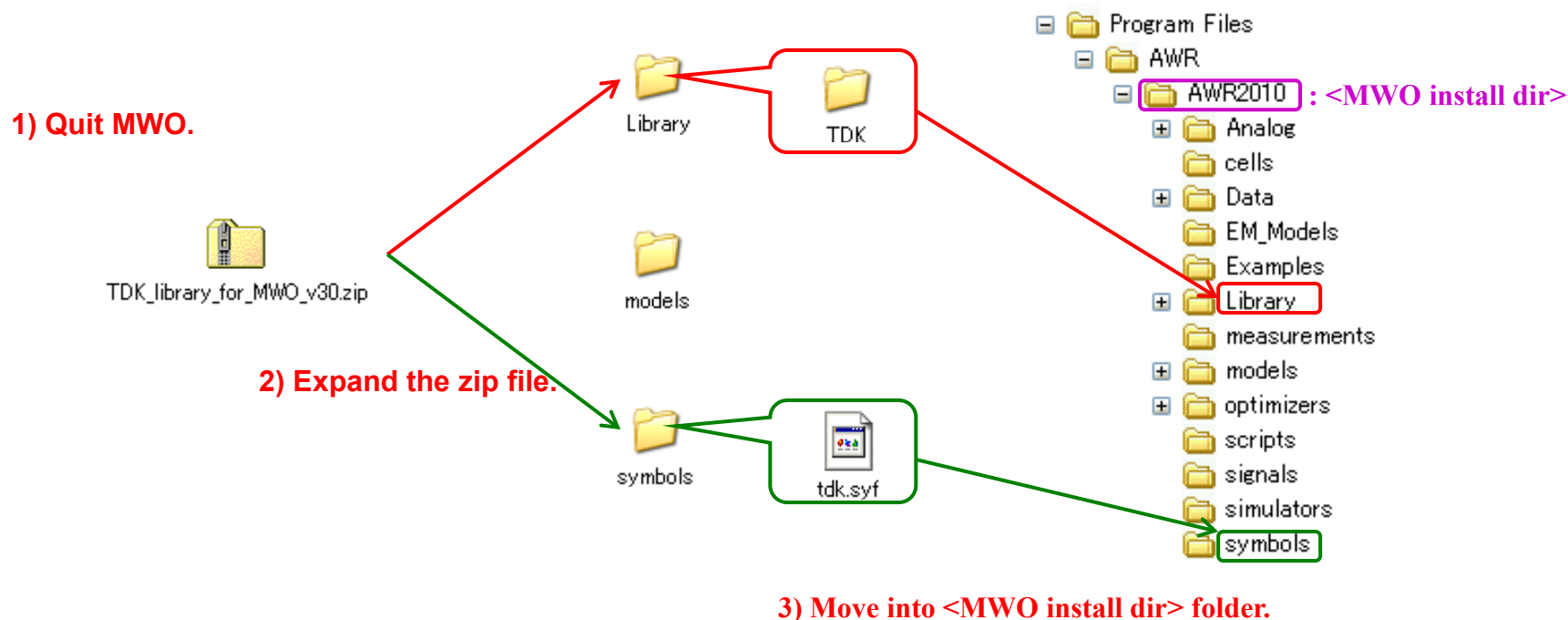
## < Install the library >

- 1) Quit Microwave Office if it runs.
- 2) Expand the zip file.
- 3) Move the expanded folders and files into the install folder of Microwave Office(<MWO install dir>) as follows:

“TDK” folder: move to <MWO install dir>/Library

“tdk.syf” file: move to <MWO install dir>/symbols

If old version of the library is installed, overwrite the old folders and files.



# How to install the library (2)

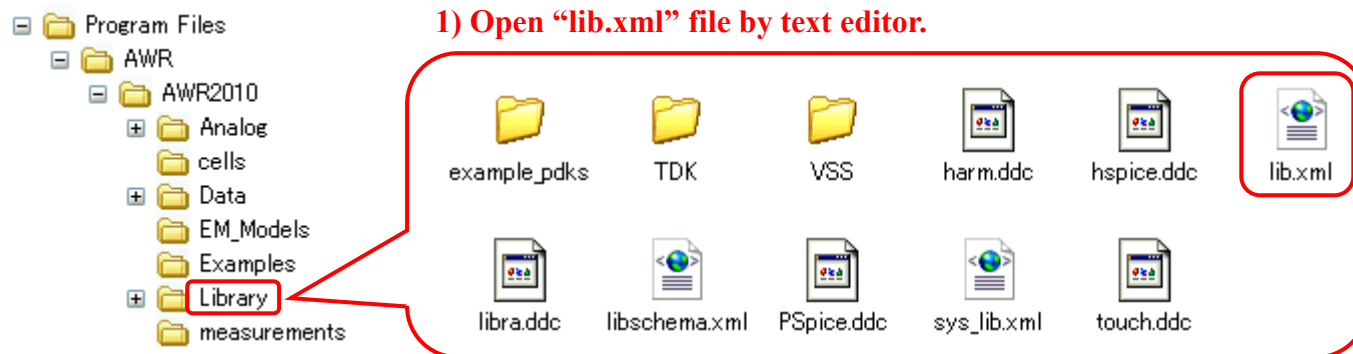
## < Edit the “lib.xml” file >

This procedure is not necessary if TDK library has been already installed on the PC.

- 1) Open the “lib.xml” file that is in <MWO install dir>/Library by text editor.
- 2) Insert the line shown below in the file and save it.

```
<FILE Name="TDK" Icon="folder">TDK/TDK_Root.xml</FILE>
```

- 3) Restart Microwave Office



## 2) Edit the “lib.xml” file and save.

```
<?xml version="1.0"?>
<XML_COMPONENT_DATA xmlns="urn:awr-lib-data">

  <COPYRIGHT>AWR</COPYRIGHT>
  <SUMMARY>Entry point XML file for circuit libraries</SUMMARY>
  <FILE Name="* AWR web site">http://www.awrcorp.com/weblibs/9_0/top_v9.xml</FILE>

  <FILE Name="TDK" Icon="folder">TDK/TDK_Root.xml</FILE>

</XML_COMPONENT_DATA>
```

# How to uninstall the library

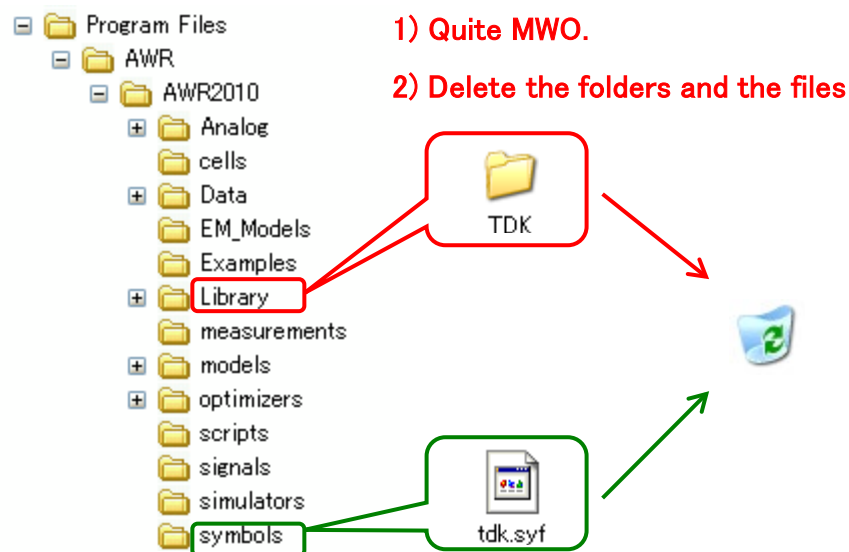
## < Uninstall of the library >

- 1) Quit Microwave Office if it runs.
- 2) Delete the folders and the files shown below.

<MWO install dir>/Library/TDK

<MWO install dir>/symbols/tdk.syf

- 3) Delete the line regarding TDK library from “lib.xml” file and save.



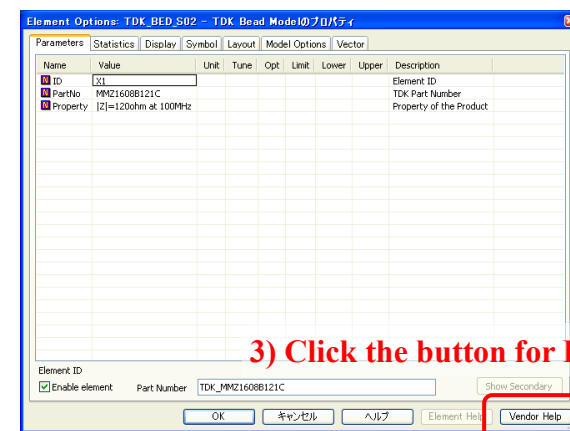
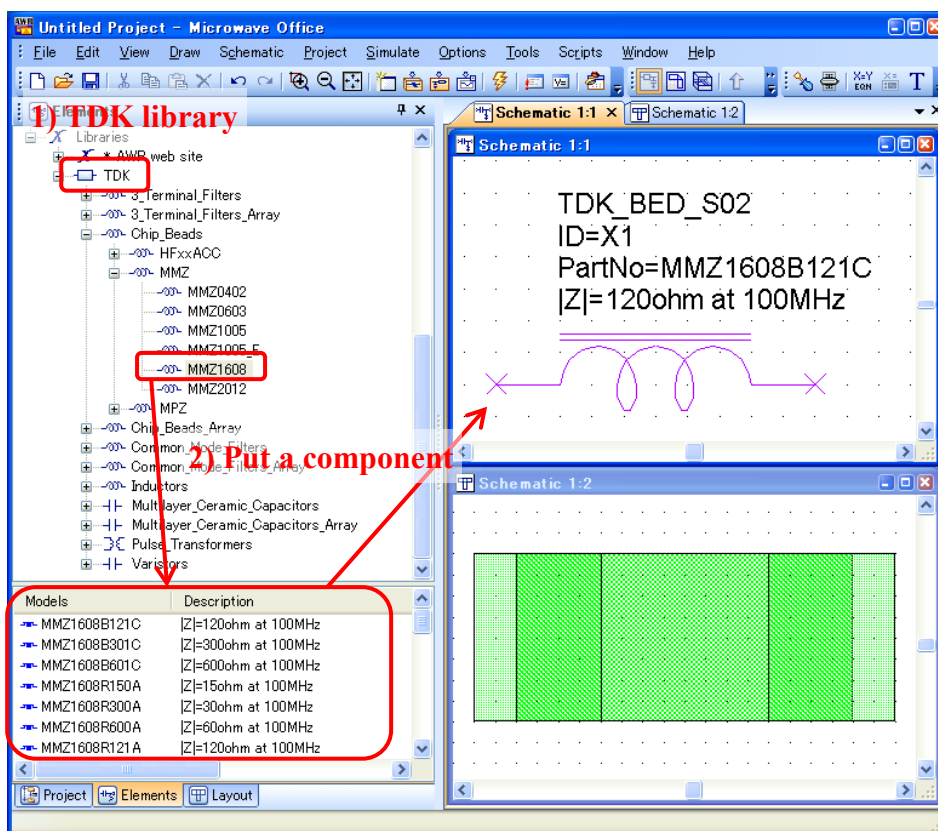
```
<?xml version="1.0"?>
<XML_COMPONENT_DATA xmlns="urn:awr-lib-data">
  <COPYRIGHT>AWR</COPYRIGHT>
  <SUMMARY>Entry point XML file for circuit libraries</SUMMARY>
  <FILE Name="* AWR web site">http://www.awrcorp.com/weblibs/9_0/top_v9.xml</FILE>
  <FILE Name="TDK" Icon="folder">TDK/TDK Root.xml</FILE>
</XML_COMPONENT_DATA>
```

3) Edit the “lib.xml” file and save.

# How to use the library

## < Putting a component and selecting a part >

- 1) After installing the library, the icon of TDK library will be added in the Element Browser.
- 2) Drag and drop a component and put a symbol onto the schematic window.
- 3) By clicking the Vendor Help button in the property window, links to PDF catalog and detailed information are shown. Internet connection is necessary to see the contents of those links.



3) Click the button for Help file

