

For immediate release

## **TAIYO YUDEN: Announces its Improved TY-COMPAS Website Component Data Viewer**

*Improved convenience with a significant increase in response speed and the ability to search for detailed characteristics*

TOKYO, April 9, 2014 — TAIYO YUDEN CO., LTD. announces it has made important improvements to the [TY-COMPAS](#) (Taiyo Yuden COMPONENT Assist System) available on its website.

TY-COMPAS is a web-based component data viewer that enables a simplified method of selection of components and related functions/characteristics. This application, which is available through TAIYO YUDEN's web site, includes data search functions for TAIYO YUDEN components, characteristic comparisons in numeric and graph display, and simulation functions that support data browsing. TY-COMPAS has been available as a tool to support the work of circuit designers since September 2011.

As part of TAIYO YUDEN's mission to continually enhance the tools available to design engineers we have further enhanced the search engine and data structure and greatly increased the response speed during searches for electronic components. These enhancements have been made to add convenience and better usability through the addition of a list view and other key options.

TAIYO YUDEN is committed to constantly look at ways to build its application tools and stay current with today's web search technologies. We will continue to enhance our web-based technical services through function additions and other improvements to TY-COMPAS so that customers can swiftly and accurately select and use TAIYO YUDEN products. In addition, TAIYO YUDEN will add new products as they are released and consistent with our product roadmap, including products for in-car electronics and industrial equipment.

### **The main improvements to TY-COMPAS are as follows.**

**(1) Significant improved response speed**

An upgrade to the search engine and data structure was implemented that included a significant increase in response speed allowing agility and swiftness during use.

**(2) Full integration of product search functions**

Accessibility has been improved with direct linking to TY-COMPAS from the product information banner on the top page of the TAIYO YUDEN website.

**(3) Side list view capabilities added**

A detail list has been added on the left side of the specification search screen which allows simple and efficient browsing of the page content and increases the ease of searching.

**(4) The detailed characteristic search function was expanded**

The equivalent series resistance (ESR) of capacitors and the impedance in the frequency bands used by ferrite bead inductors can now be searched, meaning that components can now be selected without viewing the characteristic data graph.

The screenshot shows the TY-COMPAS web application interface. At the top, there is a search bar with 'Part No. Search' and a 'Search' button. Below the search bar, there are navigation tabs for 'Products Search' and 'Design Support'. The 'Products Search' section is active, displaying a list of product categories: CERAMIC CAPACITORS, ENERGY DEVICES (SUPER CAPACITORS), and MODULES. The 'CERAMIC CAPACITORS' category is selected, showing a list of products with columns for Part Number, Capacitance, Size(LxW), T(max), Rated Volt [Vdc], TO Code, Cap. Tole, Tan(Delta) [D], Q(min), Temp [C], and more. The table lists various ceramic capacitor models such as LMK442BJ0100C-W, LMK442BJ0100C-W, LMK442BJ1500C-W, etc., with their respective specifications.

Part No.	Capacitance	Size(LxW)	T(max)	Rated Volt [Vdc]	TO Code	Cap. Tole	Tan(Delta) [D]	Q(min)	Temp [C]	Stock	SPICE
LMK442BJ0100C-W	100 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ0100C-W	100 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ1500C-W	150 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ1500C-W	150 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ220C-W	220 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ220C-W	220 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ330C-W	330 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ330C-W	330 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ470C-W	470 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ470C-W	470 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ680C-W	680 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ680C-W	680 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ1000C-W	1000 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ1000C-W	1000 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5	-55 to +85	01005/0402	S	LM
LMK442BJ1500C-W	1500 pF	0.4x0.2	0.22	10	XSR	± 10 %	10	-55 to +85	01005/0402	S	LM

Screenshot from new TY-COMPAS (search home and product list view)

Recommended system requirements for TY-COMPAS (Taiyo Yuden COMPONENT Assist System)

Browser: Windows Internet Explorer 9.x or later, Mozilla Firefox 28 or later, Google Chrome 33 or later  
 Display resolution: XGA (1024 x 768) or higher

\* Before using the TAIYO YUDEN website, please be sure to read the Term and Conditions to Use, Indemnification, and PRECAUTIONS FOR USE, etc.