

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.

TY-COMPAS
(Taiyo Yuden COMPONENT Assist System)

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PRECAUTIONS FOR USE # Version information

Part No. Search (Input Part No.)

History Search (No history) Unit mm inch

Products Search

- CERAMIC CAPACITORS**
 - CERAMIC CAPACITORS
- ENERGY DEVICES (SUPER CAPACITORS)**
 - ENERGY DEVICES (SUPER CAPACITORS)
- MODULES**
 - MODULES
- INDUCTORS**
 - INDUCTORS
- NOISE SUPPRESSION COMPONENTS**
 - BEAD INDUCTORS
 - COMMON MODE FILTERS
 - MULTILAYER EMI ABSORBERS
- HIGH-FREQUENCY PRODUCTS**
 - MULTILAYER CERAMIC DEVICES (Filters/Diplexers/Couplers)
 - SAW/FBAR DEVICES

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PRECAUTIONS FOR USE # Version information

CERAMIC CAPACITORS **TOP Page of Search** > Basic Search 1 ~ 30 Results (Total 2973 Results)

Part No. Search	Display (Pop on Charts, W/L)	Part Number	Capacitance	Size(LxW)	T(max)	Rated Volt [Vdc]	TO Code	Cap. Tol.	Tan(Delta) [D]	Q(min)	Temp [C]	Lead Smt (P/W, SS)	Suppl. note	SPICE model
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ101MC-W	100 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ101MC-W	100 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ151MC-W	150 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ151MC-W	150 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ221MC-W	220 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ221MC-W	220 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ331MC-W	330 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ331MC-W	330 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ471MC-W	470 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ471MC-W	470 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ681MC-W	680 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ681MC-W	680 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ102MC-W	1000 pF	0.4x0.2	0.22	10	B/XSR	± 10 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ102MC-W	1000 pF	0.4x0.2	0.22	10	B/XSR	± 20 %	5		-55 to +85 01005/0402			
<input type="checkbox"/>	<input type="checkbox"/>	LMK412BJ152MC-W	1500 pF	0.4x0.2	0.22	10	XSR	± 10 %	10		-55 to +85 01005/0402			

Design Support

Components Selection Guide(DL)

This downloadable component selection software enables you to check the characteristics data of TAIYO YUDEN products.

Use Environment

- General Env. (2093)
- Auto mvt./HighRel. (42)
- Auto mvt./Comfort/Safety (696)

Category

- High Dielectric (2038)
- Temp. Compensating (648)
- High-Frequency (137)
- Low ESL (75)
- Super Low Distortion (56)
- Low Distortion High Value (20)

Figure

- Multilayer SMD (2506)
- Multilayer SMD Terminal (106)
- Multilayer SMD Chip (1)
- Multilayer SMD W. Rev. (75)
- Multilayer Leaded (200)

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.