

## Aluminum electrolytic capacitors

### More compact designs for snap-in versions

September 13, 2016

TDK Corporation presents more compact versions within the B43640\* and B43644\* series of aluminum electrolytic capacitors with a snap-in design for rated voltages of 400 V and 450 V. In comparison with the previous versions they are up to 15 percent more compact. All types are suitable for a maximum operating temperature of 105 °C.

All versions of series B43640\* are designed for a useful life of 2000 hours. They offer capacitances of between 120 µF and 1000 µF (400 V), and between 82 µF and 820 µF (450 V). Depending on the rated capacitance and voltage, the dimensions are within the standardized grid of between 22 mm x 25 mm and 35 mm x 55 mm (d x h).

The entire range of the B43644\* series, on the other hand, has a useful life of 5000 hours. They cover capacitance ranges of between 100 µF and 820 µF (400 V), or between 68 µF and 680 µF (450 V). The dimensions of these types are within the standardized grid of between 22 mm x 25 mm and 35 mm x 55 mm (d x h).

The new capacitors are suitable, among other things, for the use in converters, power supplies and household appliances. In order to calculate the precise useful life of aluminum electrolytic capacitors, the use of the web-based EPCOS AlCap Useful Life Calculation Tool is recommended. This can be found at [www.epcos.com/tools](http://www.epcos.com/tools).

-----

#### Main applications

- Converters, power supplies and household appliances

#### Main features and benefits

- Very compact dimensions of between 22 mm x 25 mm and 35 mm x 55 mm (diameter x height).

-----

#### Key data

Series	Rated voltage [V]	Capacitance [µF]	Dimensions, d x h [mm]	Useful life at 105 °C [h]
B43640*	400	120 to 1000	22 x 25 to 35 x 50	2000
	450	82 to 820	22 x 25 to 35 x 55	
B43644*	400	100 to 820	22 x 25 to 35 x 50	5000
	450	68 to 680	22 x 25 to 35 x 55	

-----

## About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio includes electronic components, modules and systems\* marketed under the product brands TDK and EPCOS, power supplies, magnetic application products as well as energy devices, flash memory application devices, and others. TDK focuses on demanding markets in the areas of information and communication technology and consumer, automotive and industrial electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2016, TDK posted total sales of USD 10.2 billion and employed about 92,000 people worldwide.

\* The product portfolio includes ceramic, aluminum electrolytic and film capacitors, ferrites, inductors, high-frequency components such as surface acoustic wave (SAW) filter products and modules, piezo and protection components, and sensors.

-----

You can download this text and associated images from [www.epcos.com/pressreleases](http://www.epcos.com/pressreleases).

You can find further information on the products at [www.epcos.com/alu\\_snap](http://www.epcos.com/alu_snap).

Please forward reader inquiries to [marketing.communications@epcos.com](mailto:marketing.communications@epcos.com).

-----

## Contacts for regional media

Region	Contact	Phone	Mail
<b>ASEAN</b>	Mr. K. UNTERWEGER EPCOS PTE LTD SINGAPORE	+65 6597 0618	<a href="mailto:klaus.unterweger@epcos.com">klaus.unterweger@epcos.com</a>
<b>Greater China</b>	Ms. S. SUEN EPCOS LTD HONG KONG	+852 3669 8224	<a href="mailto:stella.suen@epcos.com">stella.suen@epcos.com</a>
<b>Europe</b>	Mr. C. JEHLÉ EPCOS Munich, GERMANY	+49 89 54020 2441	<a href="mailto:christoph.jehle@epcos.com">christoph.jehle@epcos.com</a>
<b>India</b>	Mr. G. DALVI EPCOS India Private Ltd. Mumbai, INDIA	+91 22 2575 0804	<a href="mailto:girish.dalvi@epcos.com">girish.dalvi@epcos.com</a>
<b>Japan</b>	Mr. A. TESHIMA TDK Corporation Tokyo, Japan	+813 6852 7102	<a href="mailto:pr@jp.tdk.com">pr@jp.tdk.com</a>
<b>North America</b>	Ms. D. MARTIN EPCOS Inc. Fountain Hills AZ, USA	+1 480 836 4104	<a href="mailto:debbie.martin@epcos.com">debbie.martin@epcos.com</a>
<b>South America</b>	Mr. C. DALL'AGNOL EPCOS do Brasil Ltda. Gravataí, BRAZIL	+55 51 3484 7158	<a href="mailto:candido.dallagnol@epcos.com">candido.dallagnol@epcos.com</a>