

## Aluminum electrolytic capacitors

# TDK offers new ultra-compact snap-in capacitor series with extremely high capacitance density

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TDK Corporation (TSE:6762) presents the new EPCOS B43657\* aluminum electrolytic capacitor series with snap-in terminals. The capacitors achieve a service life of at least 2000 h at a maximum operating temperature of 105 °C and cover a rated voltage range from 450 V DC to 475 V DC with capacitance values from 120 µF to 1250 µF. An important performance feature is their high ripple current capability of up to 8.54 A (120 Hz, 60 °C). Accurate lifetime calculation under application-specific conditions is quick and easy with the online AICap Tool. ([http://www.tdk-electronics.tdk.com/en/alcap\\_tool](http://www.tdk-electronics.tdk.com/en/alcap_tool)).

Particularly noteworthy is the extremely high capacitance density of the ultra-compact capacitors with case sizes from only 22 mm x 25 mm to 35 mm x 60 mm (D x H).

Due to their high reliability, these RoHS-compatible capacitors are optimal for use in high-end switched-mode power supplies and power supplies for industrial and telecommunications applications. In addition, they are well-suited for UPS systems, photovoltaic inverters and frequency converters.

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### Main applications

- High-end switching power supplies
- Power supplies for industrial and telecommunication applications
- UPS systems
- Photovoltaic inverters
- Frequency converters

### Main features and benefits

- Extremely high-capacitance density
- Ultra-compact dimensions
- High reliability
- RoHS compliant

## About TDK Corporation

TDK Corporation is a world leader in electronic solutions for the smart society based in Tokyo, Japan. Built on a foundation of material sciences mastery, TDK welcomes societal transformation by resolutely remaining at the forefront of technological evolution and deliberately “Attracting Tomorrow.” It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK’s comprehensive, innovation-driven portfolio features passive components such as ceramic, aluminum electrolytic and film capacitors, as well as magnetics, high-frequency, and piezo and protection devices. The product spectrum also includes sensors and sensor systems such as temperature and pressure, magnetic, and MEMS sensors. In addition, TDK provides power supplies and energy devices, magnetic heads and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics and TDK-Lambda. TDK focuses on demanding markets in automotive, industrial and consumer electronics, and information and communication technology. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2023, TDK posted total sales of USD 16.1 billion and employed about 103,000 people worldwide.

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