

## Aluminum electrolytic capacitors

# TDK offers new snap-in aluminum electrolytic capacitors with outstanding ripple current capability

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TDK Corporation (TSE:6762) presents the new EPCOS aluminum electrolytic capacitor series B43548\* with snap-in terminals. The capacitors feature an excellent maximum ripple current capability of 9.80 A (400 V, 100 Hz, 60 °C). This makes them ideal for demanding applications in power electronics. The capacitors are designed for a maximum operating temperature of 105 °C, have a rated voltage range of 400 V to 500 V and reach under these conditions a useful life time of 3000 h. Depending on the rated voltage, they offer a capacitance range of 68 µF to 820 µF in case sizes of 25 mm x 25 mm to 35 mm x 55 mm (d x l). A special feature of the series is the high level of resilience against rapid charging and discharging cycles.

With their outstanding ripple current capability, these capacitors are ideal for use in frequency converters, industrial power supplies, UPS systems, medical devices and photovoltaic inverters. Due to their robustness and resilience against rapid charging and discharging cycles, they also meet the demanding requirements of servo drive applications.

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### Main fields of application

- Frequency converters
- Servo drives
- Photovoltaic inverters
- UPS systems
- Medical devices
- Industrial power supplies

### Main features and benefits

- Outstanding ripple current capability
- High CV product and compact measurements
- High level of robustness in relation to rapid charging and discharging cycles

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### 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 2020, TDK posted total sales of USD 12.5 billion and employed about 107,000 people worldwide.

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