

# TDK offers snap-in capacitors with increased compactness for general-purpose applications

TDK Corporation announces the new EPCOS B43659 series of snap-in aluminum electrolytic capacitors. This is the next generation of ultra-compact general-purpose components for voltages of 450 V (DC) featuring an extremely high CV product. It provides the same features and serves the same applications as the previous series; however, the B43659 is much more compact. In case sizes of only 22 mm x 25 mm to 35 mm x 50 mm (D x H), these components achieve capacitances ranging from 140  $\mu$ F to 1030  $\mu$ F. In addition to the standard versions with 2 terminals, versions with 3 terminals are also available to ensure correct installation.

Essential performance features include a high ripple current capability of up to 7.01 A (120 Hz, +60 °C) and a service life of at least 2000 h at a maximum operating temperature of +105 °C. Accurate lifetime calculation under application-specific conditions is quick and easy with the web-based AlCap Tool ([www.tdk-electronics.tdk.com/en/alcap\\_tool](http://www.tdk-electronics.tdk.com/en/alcap_tool)).

Due to their high reliability and compact size, these RoHS-compliant aluminum electrolytic capacitors can be used in a wide range of applications, such as switched-mode power supplies, frequency converters, uninterruptible power supplies (UPS), medical equipment, and solar inverters.

## Main applications

- Power supplies
- Frequency converters
- Uninterruptible power supplies
- Medical equipment
- Solar inverters
- Not for automotive applications unless otherwise specified

## Main features and benefits

- Extremely high CV product, ultra-compact
- High reliability
- High ripple current capability
- Versions with 3 terminals to ensure correct insertion
- RoHS-compliant