

## Film capacitors

### Series of rugged AC filter capacitors extended

October 23, 2018

TDK Corporation (TSE:6762) has extended its EPCOS B32754\* to B32758\* series of AC filter capacitors. They now cover a range of voltages from 250 V AC to 400 V AC and offer capacitances of between 1  $\mu$ F and 70  $\mu$ F. The capacitors comply with IEC 61071: 2007 and are extremely robust, even at high humidity. This has been verified in a temperature, humidity, bias (THB) test at 60 °C, 95 percent relative humidity and an applied rated voltage for 1344 hours, corresponding to 56 days, in according to IEC 60384 14:2013/AMD1:2016 Grade 3 Test A.

The capacitors are designed for a maximum operating temperature of 105 °C, and their epoxy resin-filled case conforms to UL 94 V-0. Depending on capacitance and rated voltage, the lead spacing is 27.5 mm, 37.5 mm, or 52.5 mm.

Thanks to their robustness, the capacitors are suitable for demanding applications in industrial electronics. These include, for example, output filtering for power supplies, frequency converters for drives and renewable energy, or UPS systems.

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#### Main applications

- Power supplies
- Frequency converters for drives and renewable energy
- UPS systems

#### Main features and benefits

- Extended voltage range up to 400 V AC
- Broad capacitance range from 1  $\mu$ F to 70  $\mu$ F
- Successful completion of THB test at 60 °C, 95% relative humidity and rated voltage for 1344 hours

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#### 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 comprehensive 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 the areas of information and communication technology and automotive, industrial and consumer 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 2018, TDK posted total sales of USD 12 billion and employed about 103,000 people worldwide.

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