

Film capacitors

Rugged AC filter capacitors with UL 810 approval

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TDK Corporation (TSE:6762) presents a new series of AC filter capacitors that are UL 810 approved at the component level and carry the CE mark. The capacitors of the B32354S3* series are designed for a rated voltage of 350 V AC and are available with capacitance values of 10 μ F to 40 μ F. The lead spacing is 52.5 mm. Because of the segmented film structure, the new capacitors conform to the highest safety class of UL 810 at *Component Level*.

Thanks to their improved protection against moisture, they pass a temperature, humidity, bias (THB) test at 85 °C, 85 percent relative humidity and applied rated voltage for 1000 hours. The life expectancy of the new series according to IEC 61071 is 100,000 hours. In addition to AC applications, the rugged capacitors are suitable for output filtering of power supplies and inverters.

Main applications

- AC applications
- Output filtering of power supplies and inverters for drives, photovoltaic systems and UPS

Main features and benefits

- Rugged design, confirmed by a THB test at 85 °C, 85 % relative humidity and rated voltage for 1000 hours
- Conform to the highest safety class of UL 810 at *Component Level*
- Life expectancy of 100,000 hours according to IEC 61071

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 2019, TDK posted total sales of USD 12.5 billion and employed about 105,000 people worldwide.

You can download this text and associated images from www.tdk-electronics.tdk.com/en/190507.

Further information on the products can be found under www.tdk-electronics.tdk.com/en/ac_capacitors.

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