

Film capacitors

Robust AC capacitors

- Robust design thanks to complete aluminum housing
- Long life expectancy of 30,000 hours
- Compliance with safety class S2

September 6, 2016

TDK Corporation presents two new series of robust EPCOS alternating current (AC) capacitors. Both the cans and the tops of the components are constructed of aluminum, making them particularly robust. All capacitors in the B33331* and B33335* series are CE-compliant, have both VDE approval in accordance with EN/IEC 60252-1 Class A and UL approval. Thanks to their robust design and integrated overpressure disconnecter, the capacitors meet the requirements of safety class S2 as specified by EN/IEC 60252-1. The rated voltage for all the new types is 450 V AC (50/60 Hz) and the permissible operating temperature is between -40°C and +85°C. This results in life expectancy of 30,000 hours.

The B33331* series covers a capacity range from 2 µF to 50 µF. Depending on the capacity, the dimensions range from 30 mm x 55 mm to 50 mm x 100 mm (d x h). The B33335* series features two capacitors installed in one enclosure. With these double capacitors, different combinations of capacitance values are offered. The current standard range covers values between 12 µF + 1.5 µF and 60 µF + 8 µF. The dimensions range from 50 mm x 57 mm to 63.5 mm x 102 mm (d x h).

The double capacitors are particularly suitable for use in air-conditioning systems, in which the larger capacitance is used for the compressor motor and the smaller capacitance for the fan motor. Further capacitance and voltage values are available on request.

Main applications

- Motor run capacitors, general AC applications

Main features and benefits

- Robust aluminum housing
- Approvals according to VDE, UL as well as CE compliance
- Protection class S2
- Life expectancy of 30,000 hours, as specified by EN/IEC 60252-1

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 portfolio includes electronic components, modules and systems* marketed under the product brands TDK and EPCOS, power supplies, magnetic application products as well as energy devices, flash memory application devices, and others. TDK focuses on demanding markets in the areas of information and communication technology and consumer, automotive and industrial 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 2016, TDK posted total sales of USD 10.2 billion and employed about 92,000 people worldwide.

* The product portfolio includes ceramic, aluminum electrolytic and film capacitors, ferrites, inductors, high-frequency components such as surface acoustic wave (SAW) filter products and modules, piezo and protection components, and sensors.

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