

Film capacitors

MKP types for up to 125 °C

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TDK Corporation presents a new series of EPCOS MKP (metallized polypropylene) film capacitors for DC link and DC filter applications. The outstanding feature of these components is their high permissible operating temperature of 125 °C. The capacitors are offered with rated voltages of 630 V DC, 700 V DC and 840 V DC in a broad range of capacitances from 1 μ F to 50 μ F.

The lead spacing of the new DC link capacitors with the ordering codes of B32774P* to B32778P* may be 27.5 mm, 37.5 mm or 52.5 mm. In order to achieve high mechanical stability on the PCB, 4-pin versions are offered for the two larger lead spacings, and types with a lead spacing of 27.5 mm are available with a wire diameter 1 mm. Both the enclosure and the casting compound comply with flame retardant category UL 94 V-0. The RoHS-compatible capacitors offer high current capabilities of up to 23.5 A_{RMS}.

With their low ESL and ESR values, the new EPCOS capacitors are suitable for inverters and power supplies in industrial electronics or for DC-DC converters in automotive electronics.

Main applications

- Inverters
- Power supply units
- DC-DC converters and compressors for automotive electronics

Main features and benefits

- High permissible operating temperature of up to 125°C
- Broad range of capacitance values from 1 μ F to 50 μ F
- High pulse strength of up to 23.5 A_{RMS}

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.

You can download this text and associated images from www.epcos.com/pressreleases.

You can find further information on the products at www.epcos.com/film_mkp.

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