

Film capacitors

High pulse strength and current capability in a compact design

- Particularly high pulse strength
- High current capability of up to more than 10 A_{RMS}
- Compact design

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TDK Corporation presents two new series of EPCOS MMKP capacitors, which employ a film that is metallized on both sides. The new capacitors offer particularly high pulse strength as well as a high current capability. Depending on the type and frequency, the permissible current can be up to more than 10 A_{RMS}. A further outstanding feature is the compact design of the MMKP series. The capacitors have dimensions of between 4 mm x 9 mm x 13 mm and 11 mm x 18.5 mm x 18 mm and are available with lead spacings of 10 mm and 15 mm.

The B32641B* and B 32642B* series of rugged MMKP capacitors are designed for voltages of 630 V DC or 1000 V DC and cover a capacitance range from 4.7 nF to 150 nF. The maximum operating temperature is +110 °C. The main applications are circuits that operate with high frequencies and currents, including resonant circuits of power supplies with an LLC topology. The MMKP capacitors are also suitable for use in switch-mode power supplies or ballasts for lighting systems.

Glossary

- MMKP technology: A metallized polypropylene (PP) film technology (MKP), which employs a film that is metallized on both sides to enhance both the pulse strength and the self-healing capabilities of the capacitor.

Main applications

- Resonant circuits of power supplies with an LLC topology
- Switch-mode power supplies
- Ballasts for lighting systems

Main features and benefits

- Particularly high pulse strength
- High current capability up to more than 10 A_{RMS}
- Compact dimensions

Key data

Series	Lead spacing [mm]	Rated voltage [V DC]	Capacitance [nF]
B32641B*	10	630 / 1000	4.7 to 47
B32642B*	15		10 to 150

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 2015, TDK posted total sales of USD 9.0 billion and employed about 88,000 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.

Further information on the products can be found under www.epcos.com/film_mkp.

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