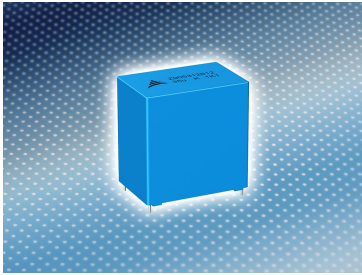


Compact form factors for DC link applications



TDK Corporation (TSE:6762) has extended the portfolio of EPCOS film capacitors for DC link applications with the B3277*X/Y/Z series. The new capacitors feature compact dimensions, high capacitance density and high current capability. They are designed for rated voltages of between 500 and 1200 V DC. The series offers numerous standard capacitance values within the range from 1.5 to 170 μ F.

Depending on the voltage and capacitance, their lead spacings are 27.5, 37.5 and 52.5 mm, with both 4-pin or 2-pin versions available for each lead spacing. The maximum operating temperature of these RoHS-compatible components is 105 °C. At a rated voltage and an operating temperature of 85 °C the typical service life of the self-healing capacitors is 60,000 hours.

The MKP capacitors are suitable for use in DC link circuits, as DC filters and for power factor correction for industrial converters, as well as for power supplies with higher reliability requirements. These applications include X-ray equipment, LED street lighting, induction hobs and electrical chargers.

Main applications

- DC link circuits, DC filters and power factor correction for industrial converters
- Power supplies with higher reliability requirements

Main features and benefits

- Broad capacitance range from 1.5 to 170 μ F
- High current capability of up to 36.5 A
- Compact dimensions