Film capacitors

TDK offers new Y2 capacitors for high-temperature requirements

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TDK Corporation (TSE:6762) presents a new series of EPCOS MKP-Y2 capacitors for interference suppression. In contrast to conventional models designed for a maximum operating temperature of 110 °C, the new capacitors offer a maximum permissible operating temperature of 125 °C. The B3202*H/J series' capacitance ranges from 1 nF to 1 µF with a maximum rated voltage of 300 V AC. The capacitors are certified according to IEC 60384-14:2013/AMD1:2016 and approved according to AEC-Q200D, UL, and EN. Depending on the capacitance, the products are available in lead spacing of 10 mm (B32021H/J*), 15 mm (B32022H/J*), 22.5 mm (B32023H/J*), and 27.5 mm (B32024H/J*) and 37.5 mm (B32026H/J). The housing, for example potting material, corresponds to UL94V-0.

Typical fields of application for the new Y2 capacitors include interference suppression in filters and at high operating temperatures, such as automotive applications.

Main applications

- Interference suppression at high operating temperatures, such as in automotive applications

Main features and benefits

- Increased operating temperature of 125 °C
- Wide capacitance range from 1 nF to 1 µF
- UL and EN approval, qualification according to AEC-Q200

About TDK Corporation

TDK Corporation is a world leader in electronic solutions for the smart society based in Tokyo, Japan. Built on a foundation of material sciences mastery, TDK welcomes societal transformation by resolutely remaining at the forefront of technological evolution and deliberately “Attracting Tomorrow.” It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's comprehensive, innovation-driven 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 automotive, industrial and consumer electronics, and information and communication technology. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2021, TDK posted total sales of USD 13.3 billion and employed about 129,000 people worldwide.

You can download this text and associated images from www.tdk-electronics.tdk.com/en/220407.

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

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