Service

TDK offers a comprehensive calculation and selection tool for film capacitors for PCB mounting

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TDK Corporation (TSE:6762) presents the new, powerful and intuitive CLARA tool (Capacitor Life And Rating Application) for calculating and selecting EPCOS and TDK film capacitors for PCB mounting. The tool offers a versatile parametric search functionality. This includes a search for capacitance, voltage range as well as for rated voltage, RMS and peak current, temperature, maximum dimensions and volume, approvals, reference standards as well as typical applications.

By clicking just once, the performance of up to four capacitors can be simulated under application conditions. This is displayed in a clear table, which may include the following parameters, for example: operating temperature, DC voltage, AC voltage, peak current and expected service life. Furthermore, safety tolerances are specified allowing developers to adjust the configuration in line with their specific requirements. Moreover, a warning is issued if the permitted capacitor parameters are exceeded.

Application conditions, including personal notes, can be stored for future use. STEP files and SPICE simulation data are available for the majority of capacitors. CLARA is linked to the TDK Product Center. The selected capacitors can be easily ordered from there by means of service distributors. The new tool is available for developers at:
www.tdk-electronics.tdk.com/clara

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/210608.
The CLARA tool is available under www.tdk-electronics.tdk.com/clara.
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