

New online tool

Easier service life calculation of DC link circuit capacitors

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TDK Corporation presents the EPCOS FilmCap Service Life Calculation Tool – an attractive new tool for supporting online design. The integral database contains about 250 EPCOS film capacitors from the B3267* and B3277* series for the DC link circuits of converters. This powerful tool enables as many as 10 load profiles to be entered at one time, calculated and stored, if desired, for later use. This powerful feature facilitates the design of applications with capacitor banks and single capacitors alike.

Following the calculation process, various parameters such as impedance, ESR, loss factor, life expectancy, I_{rms} and V_{rms} are presented as graphs and printed out together with the result. The FilmCap tool also offers a smart search option which displays a list of suitable film capacitor types as soon as the key load parameters of an application have been entered.

All in all, the FilmCap Tool makes it considerably easier for design engineers to assess the performance of DC link capacitors under a wide range of conditions and to find the best solution for their application. The browser-based tool is available under www.epcos.com/filmcap.

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.

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