



Film capacitors

April 2008

X2 series for up to 45 μF

With its new B3292*E/F series EPCOS now offers X2 safety class capacitors with capacitances up to 45 μF . The components were developed for across-the-line applications at 305 V AC and 110 °C, and are approved to IEC 60384-14, UL1283 and CSA 22.2 No. 8.

The B3292*E/F series makes it possible to design EMI filters with a single 45- μF capacitor. This results in a significant reduction in the PCB surface occupied as well as the parasitic inductance. Improved noise suppression is

achieved in the upper frequency range due to the higher resonant frequencies. Moreover, the reduction of soldering points simplifies testing and improves the reliability of the entire filter.

Owing to their large capacitance values the B3292*E/F series is especially suited for filtering applications that require the suppression of high harmonic frequencies. This is the case, for example, in the active front-end topologies of power converters.