Product Portfolio



Portfolio Overview Capacitors



Supercapacitors (Electric Double Layer Capacitors – EDLCs) Product series: WCAP-STSC

Supercapacitors close the gap between capacitors and batteries



Supercapacitors have:

- Higher power density than batteries
- Higher energy density than conventional capacitors



- Large charge storing capacitance
- Ultra low equivalent series resistance (ESR)
- Provide a fast charging and discharging within seconds or minutes
- Cycle life is about 500 times and power output about 10 times higher compared to usual batteries
- Depending on the field of applications possible replacement for batteries
- Easy to use: No battery charging circuit is required to prevent overcharging



Applications



Storage devices for power-offline periods



Hybrid application with battery

Product Portfolio

MLCCs – High Frequency Product series: WCAP-CSRF

Designed for high frequency applications

- NPO ceramic for high temperature stability, low equivalent series resistance and high Q characteristics
- Inner electrode consists of an exceeding conductive material

MLCCs – Soft Termination Product series: WCAP-CSST

Better absorption of mechanical stress

- Terminations with an additional conductive polymer layer
- Minimizes the risk of internal cracks
- More stable and robust performance during PCB handling as well as in the final application



Applications



Power amplifier



Telecommunication



Applications





Power supply

Lighting applications

Inner structure



Board Flex up to 5 mm



WCAP-ASLU with slim diameter of 3 mm

- Low leakage current series of V-Chip SMT Aluminum Electrolytic Capacitors
- Products with a diameter of 3 mm are now available



Applications



DC/DC converter



H-Chip Aluminum Polymer Capacitors Product series: WCAP-PHGP, WCAP-PHSE, WCAP-PHLE

Suitable alternative for tantalum capacitors & MLCCs

- Aluminum Polymer technology
- Low profile surface mount (SMT) package
- Extremely low ESR and ESL
- Suitable for high ripple currents

Inner Structure



Applications



- Input and output capacitors for SMPS
- Noise suppression
- Communication infrastructures
- Servers
- Mainboards



Servers

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