

Hybrid Capacitors ZKU series

Hybrid capacitor's ZKU Series is a further step in miniaturization of components, e.g. Ø10xL10.2mm to Ø8xL10.2mm at the same capacitance level. In addition to smaller space requirements, ZKU offers a high endurance rating of 4000 hours @ 125°C and large capacitance values of 39µF up to 560µF. The operating temperature range is -55°C up to +125°C. Being AEC-Q200 compliant ensures optimal quality and reliability.



Panasonic
INDUSTRY

Overview

- Less board space by reduction of necessary number and size of capacitors
- 30g vibration proof types available
- Large capacitance
- AEC-Q200 compliant

25% PCB space saving in any application



Automotive

- Electrical control unit (ECU)
- DC/DC converter
- E-scooter, E-bike



Industrial

- Robot
- AC/DC, DC/DC converter
- Control



Infrastructure & Energy

- Inverter for power generation
- Rectifier for power generation
- Power supply

Key Features

- 39µF up to 560µF
- Endurance rating 4000 hours @ 125°C
- Operating temperature -55 to + 125°C
- Rated voltage 25VDC / 35VDC
- Low ESR, down to 20mΩ
- High ripple current, up to 2.8Arms

The industry's largest capacitance* range (up to 560uF 25V 10x10.2mm)

The high capacitance characteristics in miniaturized body can reduce the number of required capacitors on the PCB. Adoption of ZKU series in EPS application decreases the PCB area by 25% when compared to other Hybrid capacitors on the market.

*As conductive polymer hybrid aluminum electrolytic capacitors as of September 2019 according to research by Panasonic.