

New “Vibration Proof” EEH-ZK Series Conductive Polymer Hybrid Aluminum Electrolytic Capacitors



Panasonic Expands Its’ Hybrid SMD Aluminum Electrolytic Capacitor Line To Include “Vibration Proof” Parts

Panasonic, a worldwide leader in Capacitor Products, announces the new “**Vibration Proof**” **EEH-ZK Series Conductive Polymer Hybrid Aluminum SMD Electrolytic Capacitors**. Using large space-consuming axial, THT and SMD Capacitors to achieve low ESR requirements and good EMC behavior is passé. Panasonic Hybrid Capacitors, combining the advantages of Electrolytic Capacitors with those of solid Polymer Capacitors, have established themselves as reliant and across-the-board solutions in Automotive and Industrial applications alike. Hybrid technology offers low leakage current and long life in combination with low ESR in smaller case sizes. The voltage range of 25V to 80V caters to the Capacitor industry standard temperature rating of -55°C to 105°C (ZA Series) and -55°C to 125°C (ZC and **New ZK Series**). Ripple Current Rating (RCR), which is the decisive factor for a lot of capacitance agnostic applications find dramatic improvement for long lifetimes of 10000h at 105°C and 4000h at 125°C. Endurance at 3000h at 125°C allows the possibility to augment the RCR up to 1.5 times. AEC-Q200 qualification ensures optimal quality and reliability. The **New EEH-ZC Series “Vibration Proof”** parts are available in 25 and 35 V.DC and are ideal when high temperature and high current capability are being demanded by the application.

Features:

- Vibration-Proof Product (Ø8 mm and Larger)
- High Temperature / Long Life: 4000 Hours at 125°C
- Minimum 8000 Hours at 115°C and 16000 Hours at 105°C (If All Recommended Specifications Are Followed)
- High Temperature Lead-Free Reflow
- High Capacitance and High Ripple Current
- Low Leakage Current
- Operating Temperature Range: -55 °C to +125 °C
- Rated Voltage Range: 25 to 35 V.DC
- RoHS / REACH Compliant
- AEC-Q200 Qualified

Benefits:

- Extremely High Endurance Ratings
- Vibration Variants Can Withstand Shocks Of As Much As 30G. Standard Parts Can Withstand 10G Maximum.
- AEC-Q200 Compliance ensures strict quality control standards are being enforced.

Industries:

- Automotive
- Power Supply
- Industrial

Applications:

- DC/DC Converters
- AC/DC Converter
- Under-The-Hood Applications (125°C)
- DC Side Of Both Inverter And Rectifier Circuits