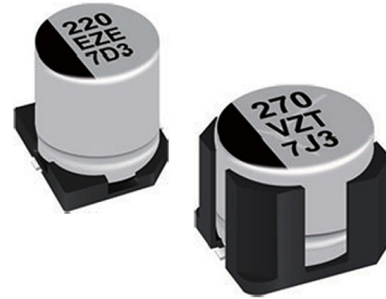


## Hybrid Capacitors

Conductive Polymer Hybrid  
Electrolytic Aluminum Capacitors



**IN Your  
Future**

# CONDUCTIVE POLYMER HYBRID ELECTROLYTIC ALUMINUM CAPACITORS

## Achieving Both High Performance and High Reliability

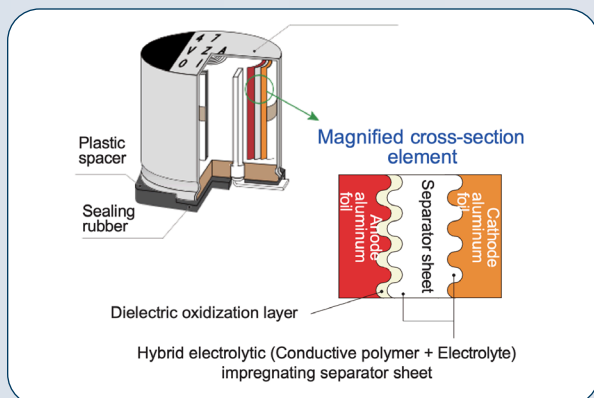
### Product Summary

- Using conductive polymers and electrolytes as electrolytes, it achieves both high ripple current and low ESR (equivalent series resistance) with low leakage current and high reliability performance, contributing to miniaturization and high reliability of equipment.
- Ideal for automotive electrical equipment, communication base stations, etc. that require small size and high reliability.
- AEC-Q200 Compliant
- All series : Lead-free / RoHS compliant

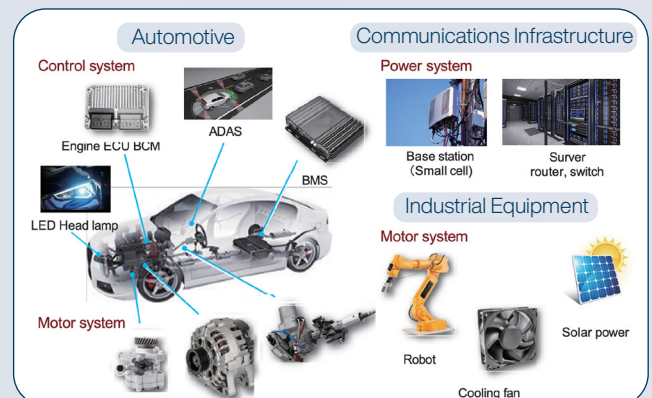
### Features

- A conductive polymer is used for the electrolyte to achieve high ripple current and low ESR characteristics. It is suitable for input capacitors of DC/DC power supplies and DC link capacitors of motor inverters that require ripple current countermeasures. It also has large capacitance characteristics and is suitable for output capacitors in DC/DC power supplies, contributing to the miniaturization and weight reduction of equipment.
- High voltage and High reliability  
Low LC contribute to stabilization of ECU performance. LC: 0.01 CV or 3  $\mu$ A (Less than the bigger value)  
Failure mode is Open, realizing same safety level compared to standard Aluminum Electrolytic Capacitors.  
High voltage line up (up to 80 V.DC), is suitable for high voltage lines for Automotive and Industrial applications.
- Superior temperature characteristics  
Suitable for low temp. applications with its stable ESR characteristics from -55°C to (105°C, 125°C, 135°C, 145°C)
- Long Life  
105°C 10,000 h / 125°C 4,000 h / 135°C 4,000 h / 145°C 2,000 h / 150°C 1,000°C

### Structure



### Applications





# Panasonic

## INDUSTRY



Learn More:

<https://na.industrial.panasonic.com/products/capacitors/polymer-capacitors/lineup/polymer-hybrid-aluminum-electrolytic-capacitor>

Panasonic Industrial Devices Sales Company of America  
Two Riverfront Plaza, Newark, NJ 07102

[na.industrial.panasonic.com](https://na.industrial.panasonic.com)