

## Aluminum Electrolytic Capacitors with Hybrid Semiconductor **HS-CON**<sup>™</sup>

## Aluminum Electrolytic Capacitors with Hybrid Electrolyte **EPcap**

HS-CON and EPcap are electrolytic capacitors with hybrid cathode electrolyte.

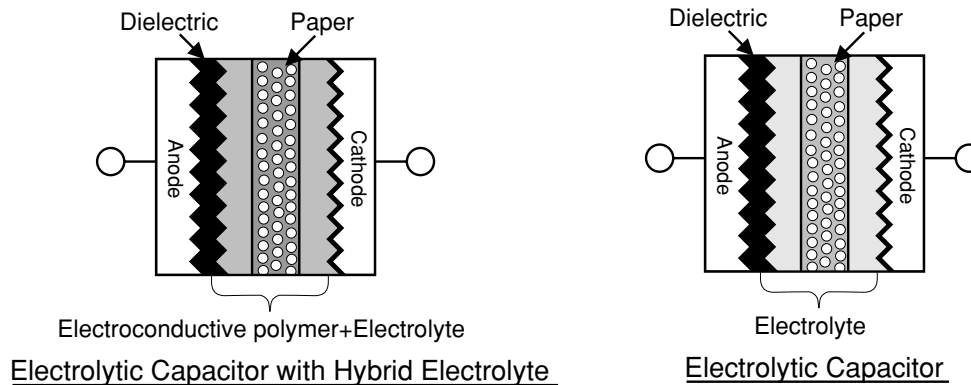
High conductive electrolyte (solid conductive polymer) is combined.

HS-CON and EPcap have very low ESR at high frequency as compared with electrolytic capacitors.

The structure of hybrid cathode electrolyte enables HS-CON and EPcap to have the same self-healing function as aluminum electrolytic capacitors.

HS-CON have hi-reliability product of 125 degrees Celsius (HVP series) and high voltage up to 63V.

### [Basic Construction]



## ■ Feature

1. Super low ESR(Downsize and upgrade your circuit)
  - Excellent noise absorption capability at high frequency.
  - High ripple current. Suitable for smoothing circuit of switching regulator.
2. Excellent low temperature characteristics (Stable performance at low temperature range)
  - Suitable for the applications that operate at low temperature.
3. Self-healing property of liquid electrolyte(Compared to solid capacitors, short circuit mode seldom happen and L.C. is lower.
4. Rated voltage is up to 63V.
5. Applying a voltage up to the rated voltage is guaranteed.(Voltage derating is not needed)
6. RoHS compliance and lead-free(Environmental friendly)

## ■ Applications

Automotive electric · Network · Industrial · Flat-TV(LCD · PDP etc.) · PC(Server etc.) · Power supply(Inverter etc.)