

## EP-cap

The **EP-cap** is an aluminum electrolytic capacitor with a hybrid cathode formed by combining an electrolyte and electroconductive polymer with high conductivity. **EP-cap** has very low ESR at high frequency as compared with electrolytic capacitors. The structure of hybrid cathode electrolyte enables **EP-cap** to have the same self healing function as aluminum electrolytic capacitors. EP-cap have hi-reliability product of 125°C (HVP series), 135°C (HVT series) and high voltage up to 125V.



## Applications

- Automotive Electronics
- Computer Peripherals
- Network Equipment
- Digital Equipment
- Factory / Enterprise



## Aluminum Electrolytic Capacitors

Aluminum Electrolytic Capacitors have a large capacitance per unit volume with a high-capacity area. It is also economically advantaged in the price per unit capacitance compared with other capacitors. It is characterized by the self-restoring property of the derivative (aluminum oxide film) and its tendency not to short. With different forms of **Aluminum Electrolytic Capacitors** such as surface-mounted types and radial-lead types, SUN meets a wide range of user needs by adding such characteristics as low impedance, long life, high reliability and low-profile structure to each specific type.

## Features EP-Cap



- Super low ESR (mΩ)
- Rated voltage up to 125V
- High reliability product of 135°C
- High ripple current (Arms) long life
- Self-healing property of liquid electrolyte
- Excellent low temperature characteristics

## Features Aluminum Electrolytic Capacitors



- Wide rated voltage range from 4V to 450V
- Wide capacitance range from 0.47μF to 15'000μF
- Self healing of dielectrics (aluminum oxide film) after damages
- The main failure mode is of wear-out. Short circuit within capacitor is not appreciable
- No voltage dependence of capacitance
- Can withstand applied pulse current and pulse voltage compared to other types of capacitors

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