

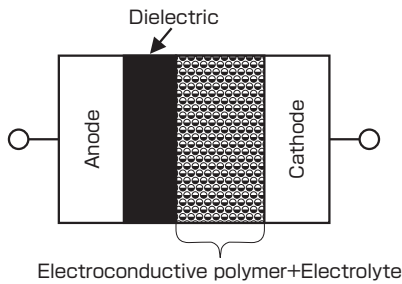
EP-cap Hybrid Conductive Polymer Type

EP-cap is the first hybrid cathode aluminum electrolytic capacitors in the industry using a liquid electrolyte and a high conductive polymer. EP-cap is very low ESR (equivalent series resistance) at high frequencies comparing with the standard aluminum electrolytic capacitors. EP-cap has a self-healing mechanism of the dielectric due to a chemical reaction of the liquid electrolyte. The highest voltage 125V (HVH/HVP series), high capacitance with high ripple current (FVC series), 125 to 150°C proof with high ripple current (FVF series), and the other industry-leading products are ready in the line-up.

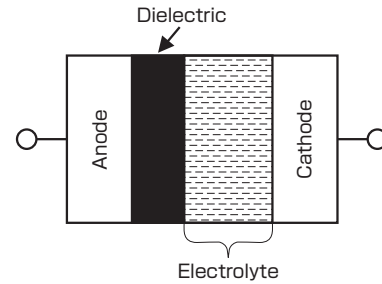
Soldering Condition
Reflow Soldering Condition
Ripple Current
Frequency
Coefficient

Basic Construction

EP-cap



Electrolytic Capacitor

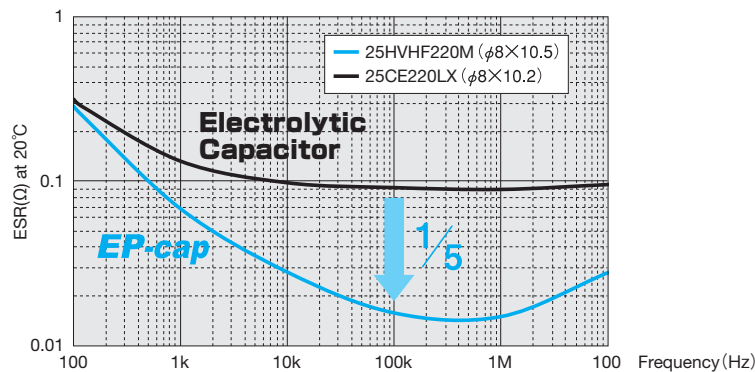


Features

- **Low ESR**
(Downsize and upgrade your circuit)
 - Excellent noise absorption capability at high frequency.
 - High ripple current. Suitable for smoothing in switching regulators.
- **Excellent low temperature characteristics**
 - Stable performance at low temperatures
- **Self-healing property of the liquid electrolyte**
 - Less possibility of a short-circuit than the solid polymer capacitors. Low leakage current.
- **Rated voltage up to 125V.**
- **150°C high temperature**
- **Applying a voltage up to the rated voltage is guaranteed.**
 - Voltage derating is not necessary
- **RoHS compliance**
(Environmental friendly)

- FVL
- HVHZ·HVH
- HVPZ·HVP
- HVT
- HVHF
- HVPF
- HVPX
- HVTX
- HVHY **UPGRADE**
- HVPY
- HVTY
- HVHC
- HVPC **UPGRADE**
- FVC **UPGRADE**
- FVFP
- FVF **UPGRADE**
- FVS
- FEC **UPGRADE**
- FEF **UPGRADE**

Frequency characteristics



Temperature characteristics

