

● Feature

- ✓ Endurance : 125°C 4,000h (with ripple)
- ✓ Voltage: 16 to 63V_{dc}
- ✓ Capacitance: 56 to 820μF
- ✓ Size: φ6.3×5.8L to φ10×12.5L
- ✓ Bias humidity: 85°C/85%RH 2,000h

● Product Chart

- ✓ Recommended to replace in HXD/HXC to HXJ

*Lineup for High capacitance (SMD type)

HXD

- 105°C Standard
- 22 to 470μF
- 105°C 5,000h

Since 2017.05

HXC

- 125°C Standard
- 6.8 to 470μF
- 125°C 4,000h

Since 2016.02

2022.05

Upgrade!

HXJ

- **Added new case size!! (φ10×12.5L)**
- **Higher cap. / ripple current**
- **56 to 820μF**
- **125°C 4,000h**



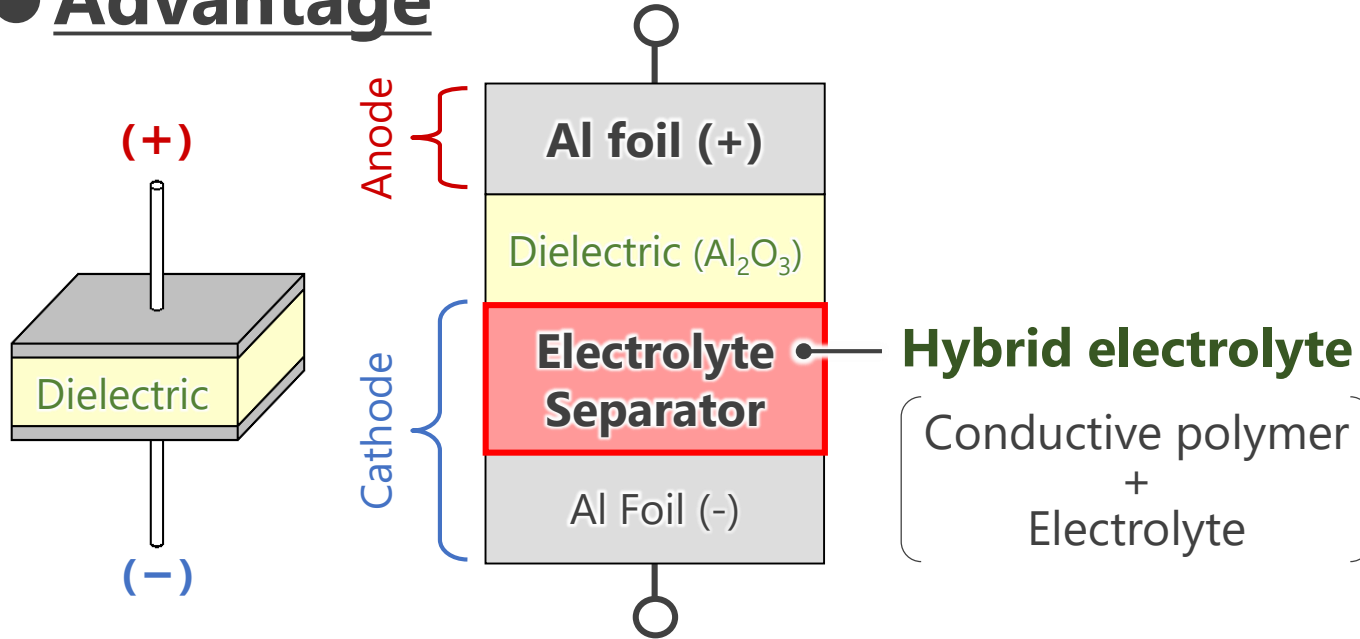
Since 2019.12

● Recommended Application

- ✓ For high temperature / High reliability usage
- ✓ For automotive
- ✓ For power supplies (Base station)



● Advantage



☑ Four advantages of HXJ



- ① Super low ESR above 16v
- ② Wear-out failure (Open Circuit & Safety)
- ③ Higher capacitance
- ④ Higher ripple current

Conventional
HXC

【 Key Technologies 】

Al foil

- High capacitance foil

Electrolyte

- Optimizing conductive polymer

HXJ

2022.05

Upgrade!

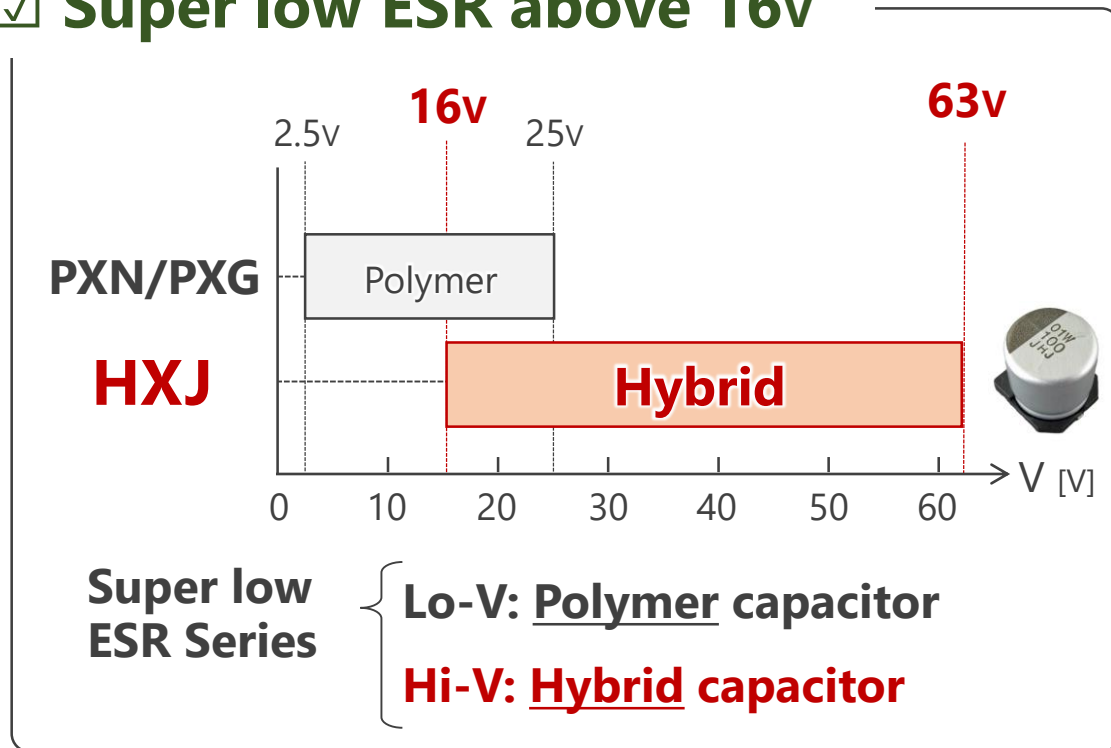
Added new case size!!
(φ10×12.5L)

● Benefit/Evidence

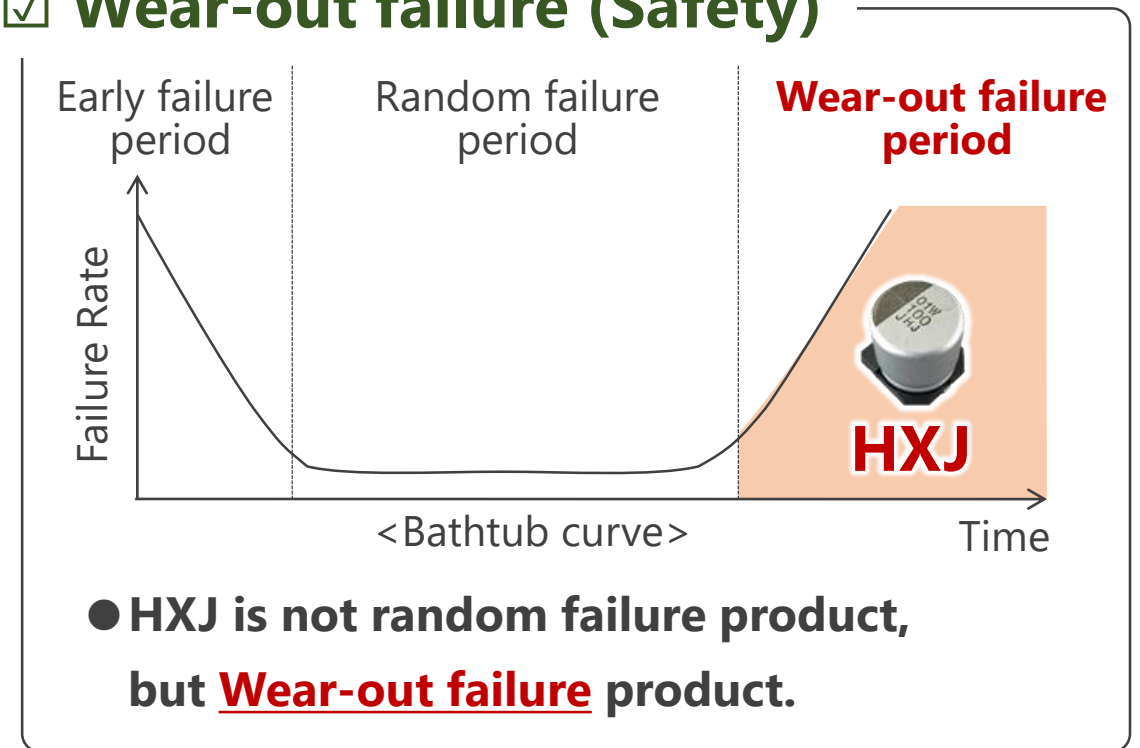
- ➔ ① Super low ESR above 16v / ② Wear-out failure (Open circuit & Safety)
 ③ Higher cap. / ④ Higher ripple · · · Equipment downsizing, Reduced # of capacitors



☑ Super low ESR above 16v



☑ Wear-out failure (Safety)



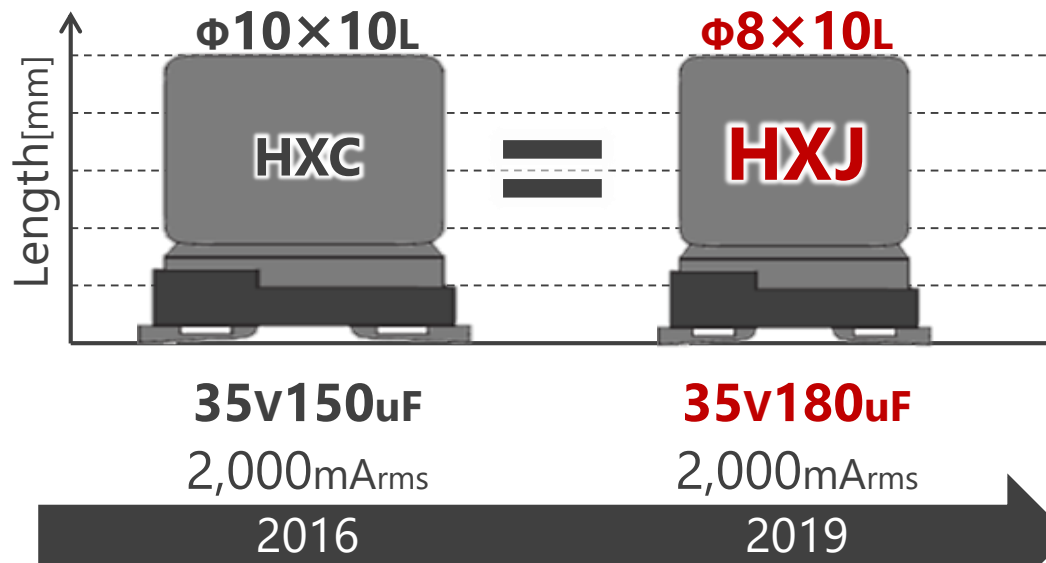
● Benefit/Evidence

① Super low ESR above 16v / ② Wear-out failure (Open circuit & Safety)

➔ ③ **Higher cap.** / ④ **Higher ripple** · · · **Equipment downsizing, Reduced # of capacitors**

☑ **Downsizing + Higher cap.**

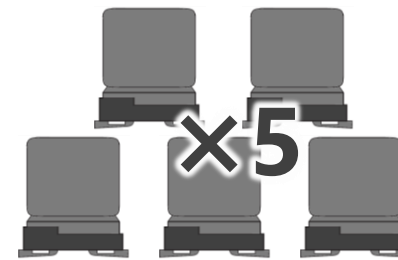
(Fixed ripple current)



☑ **Reduced number** (Fixed total ripple current)

HXC

35V 100uF (Φ8×10L)
 1,600mArms/pc



8,000mArms/500uF

2016

HXJ

35V 220uF (Φ8×10L)
 2,000mArms/pc



8,000mArms/880uF

2019