

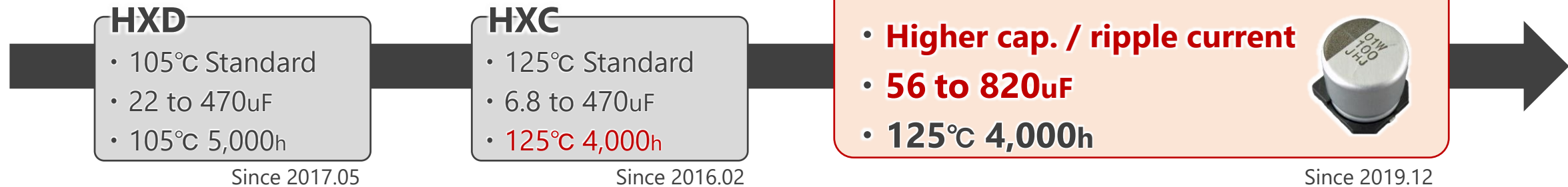
## ● Feature

- ☑ Endurance : 125°C 4,000h (with ripple)
- ☑ Voltage: 16 to 63V<sub>dc</sub>
- ☑ Capacitance: **56 to 820μF**
- ☑ Size: φ6.3×5.8L to φ10×10L
- ☑ Bias humidity: 85°C/85%RH 2,000h

## ● Product Chart

- ☑ **Recommended to replace in HXD/HXC to HXJ**

\*Lineup for High capacitance (SMD type)



## ● Recommended Application

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



2020.08

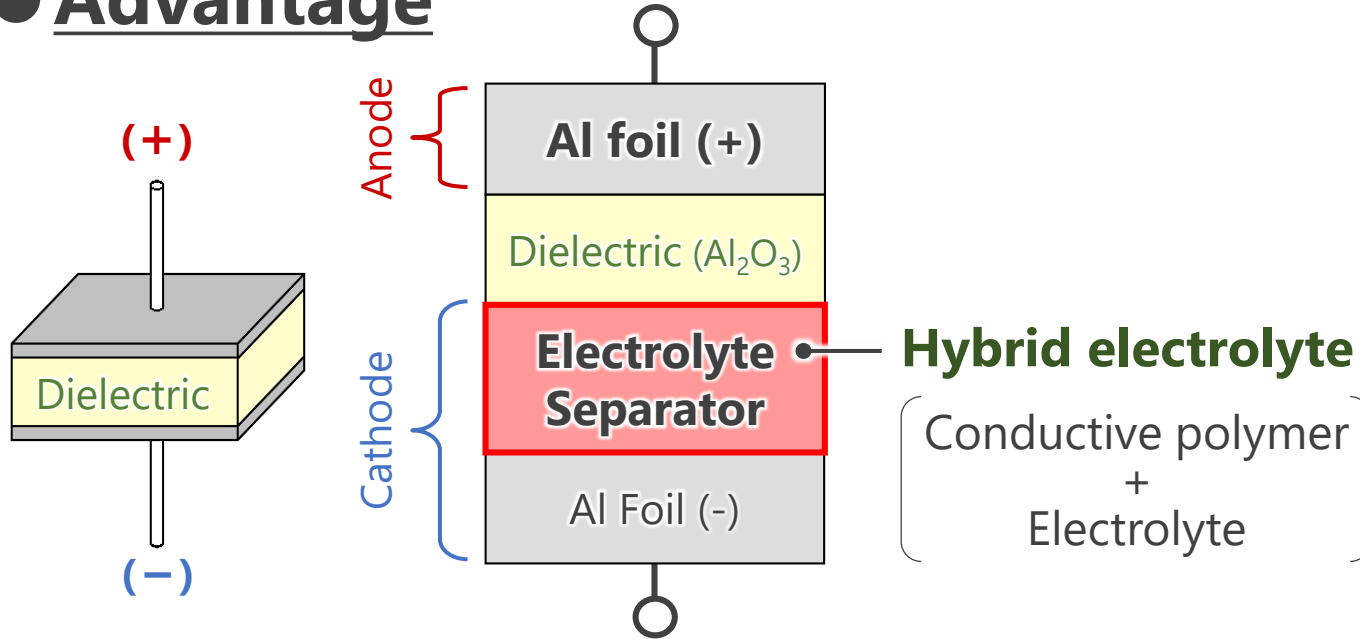
**Upgrade!**

**HXJ**

- **Expanded higher cap. at 25v!!**
- **Expanded to 50v, 63v!!**
- **Higher cap. / ripple current**
- **56 to 820μF**
- **125°C 4,000h**



## ● 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**

2020.08

**Upgrade!**

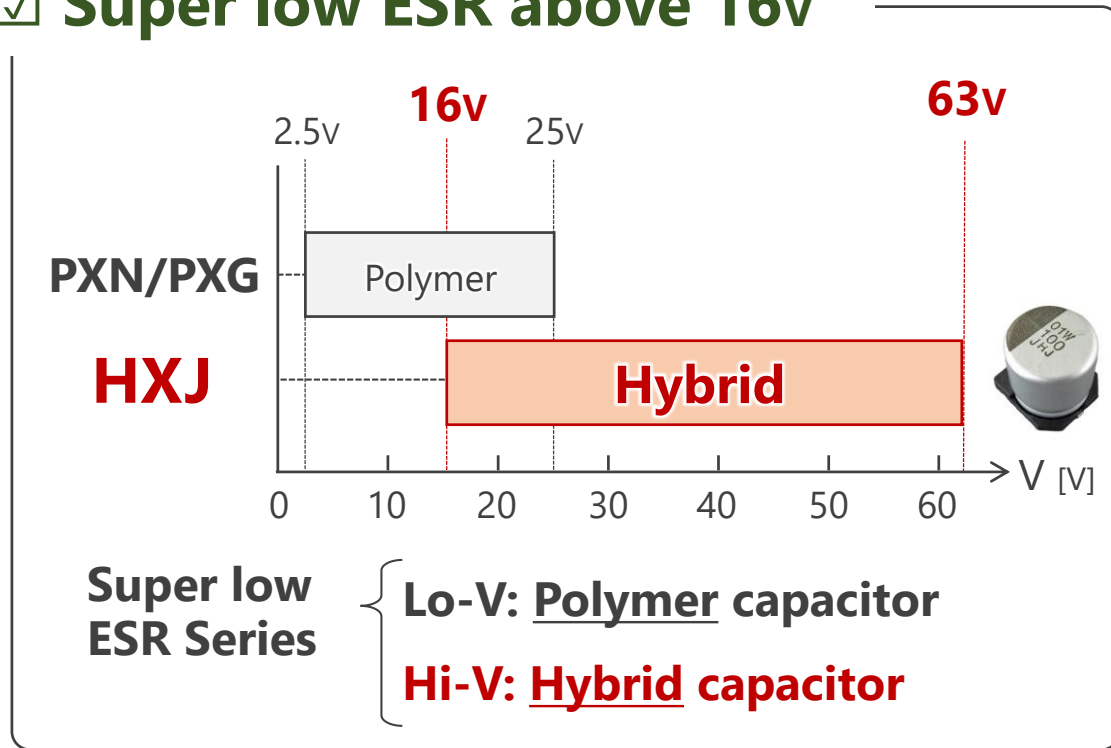
Expanded higher cap. at 25v!!  
Expanded to 50v, 63v!!

## ● Benefit/Evidence

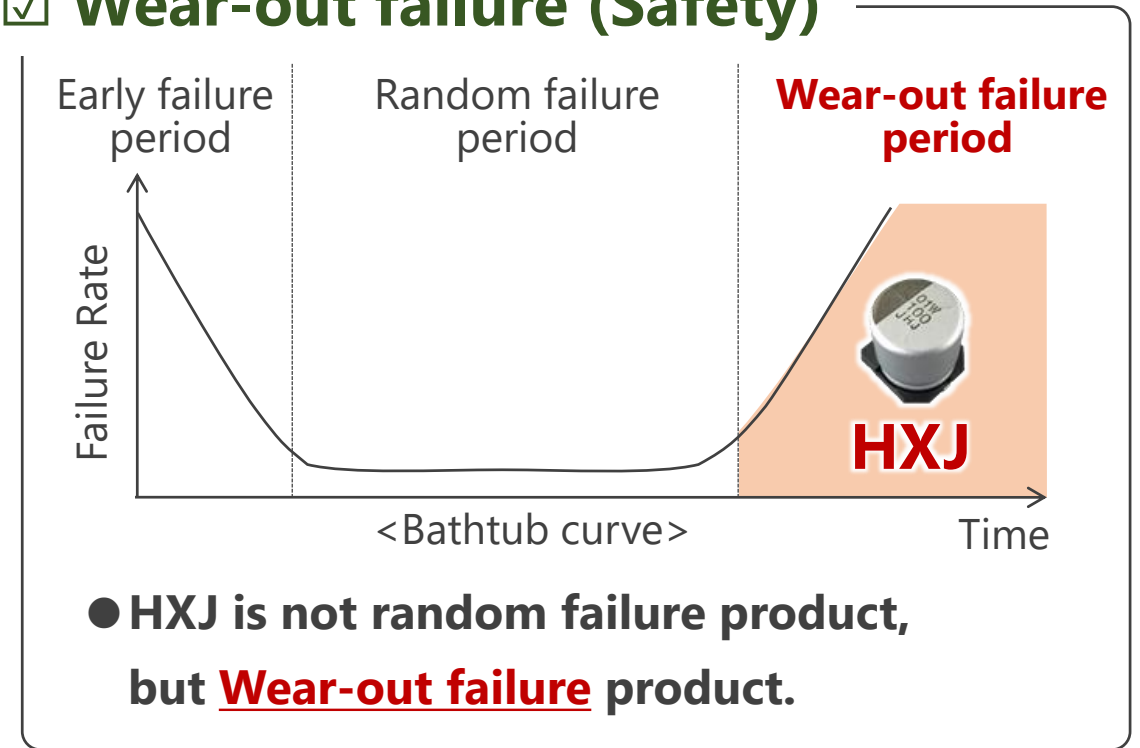
- ➔ ① Super low ESR above 16v / ② Wear-out failure (Open circuit & Safety)  
 ③ Higher cap. / ④ Higher ripple · · · Equipment downsizing, Reduced # of capacitors



### ☑ Super low ESR above 16v



### ☑ Wear-out failure (Safety)



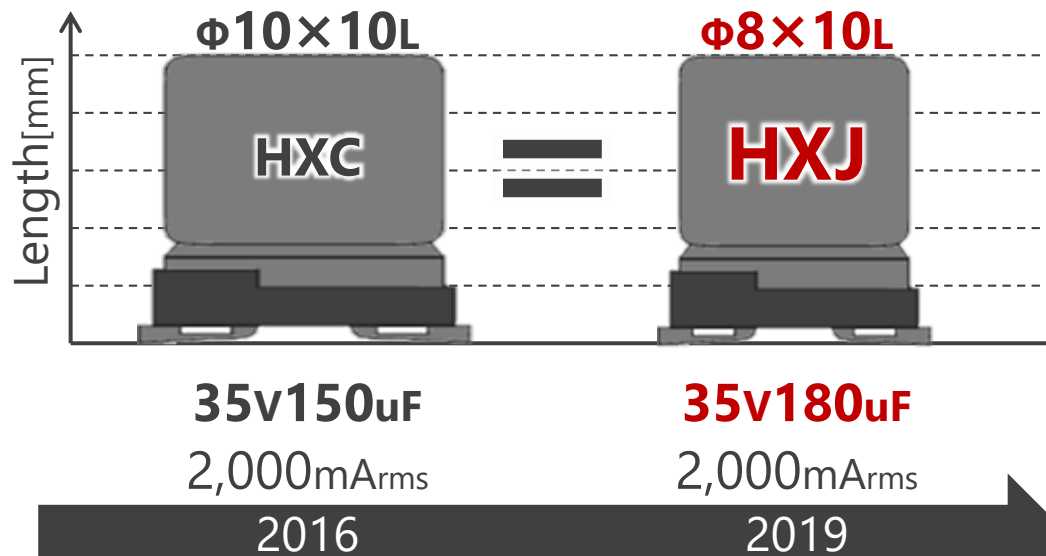
## ● Benefit/Evidence

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.**

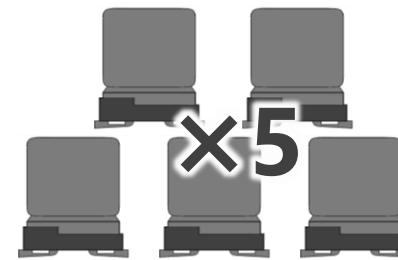
(Fixed ripple current)



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

#### HXC

35V 100 $\mu$ F (Φ8×10L)  
 1,600mArms/pc

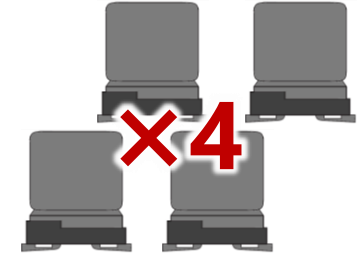


8,000mArms/500 $\mu$ F

2016

#### HXJ

35V 220 $\mu$ F (Φ8×10L)  
 2,000mArms/pc



8,000mArms/880 $\mu$ F

2019