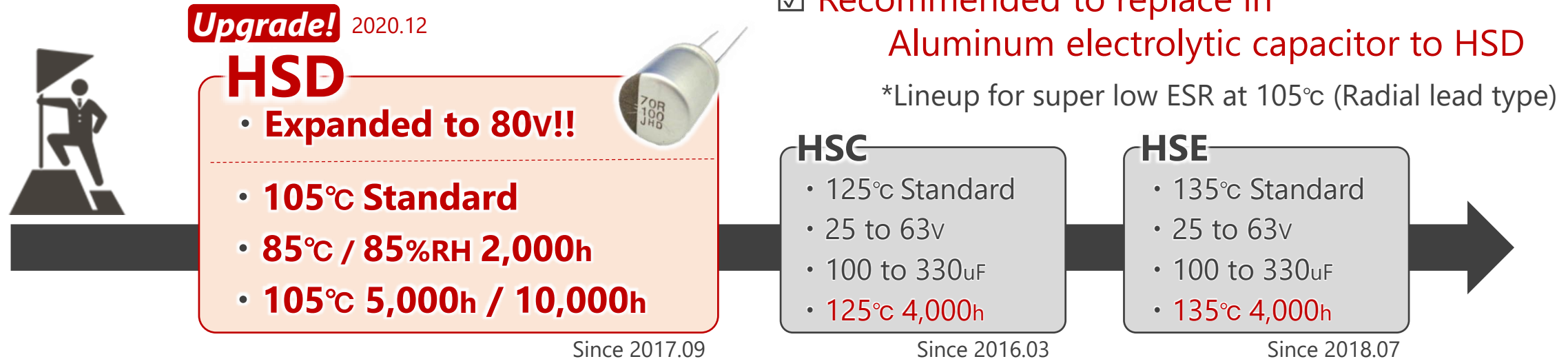


## ● Feature

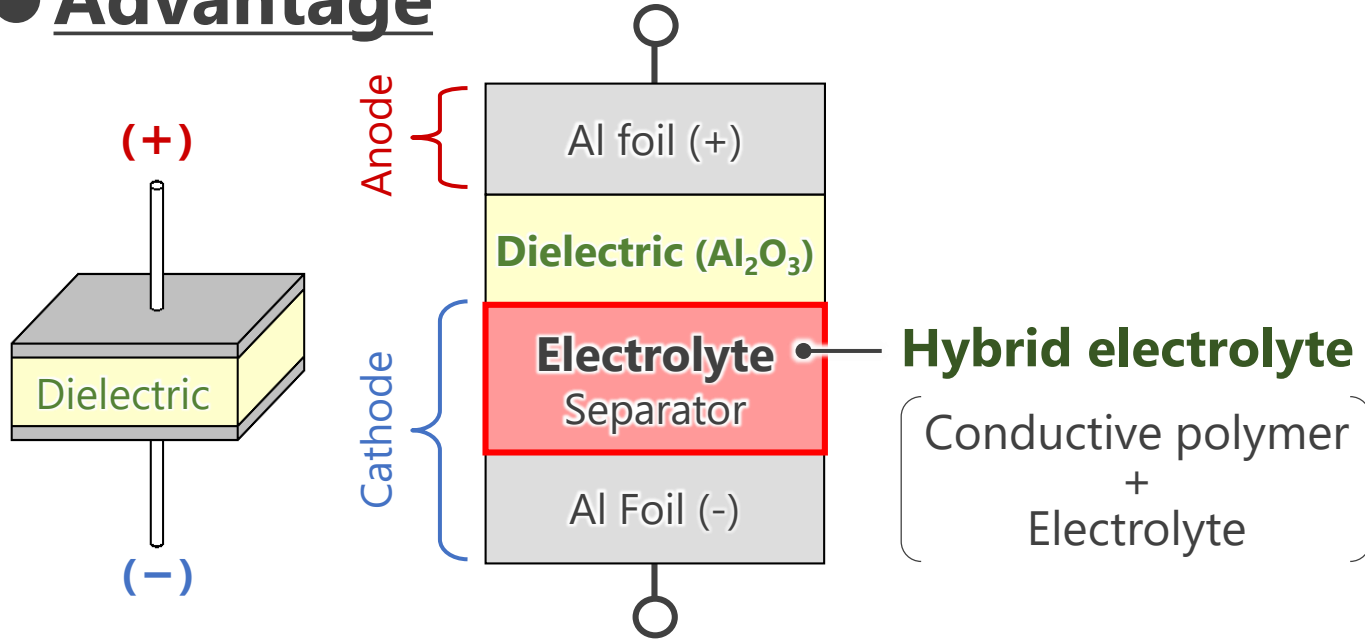
- ☑ Endurance: 105°C 5,000h / 10,000h (with ripple)
- ☑ Voltage: 25 to 80V<sub>dc</sub>
- ☑ Capacitance: 68 to 330μF
- ☑ Size: φ10×12.5L
- ☑ Bias humidity: 85°C/85%RH 2,000h

## ● Recommended Application

- ☑ For High reliability usage
- ☑ For Automotive (exclude 80v)
- ☑ For power supply for Data center



## ● Advantage



Conventional  
**HS** □

### 【 Key Technologies 】

**Dielectric**  
• Optimized thickness

**Electrolyte**  
• Optimized Polymer and Electrolyte

**HSD**

2020.12

**Upgrade!**

**Expanded to 80v**

## ✓ Four advantage of HSD



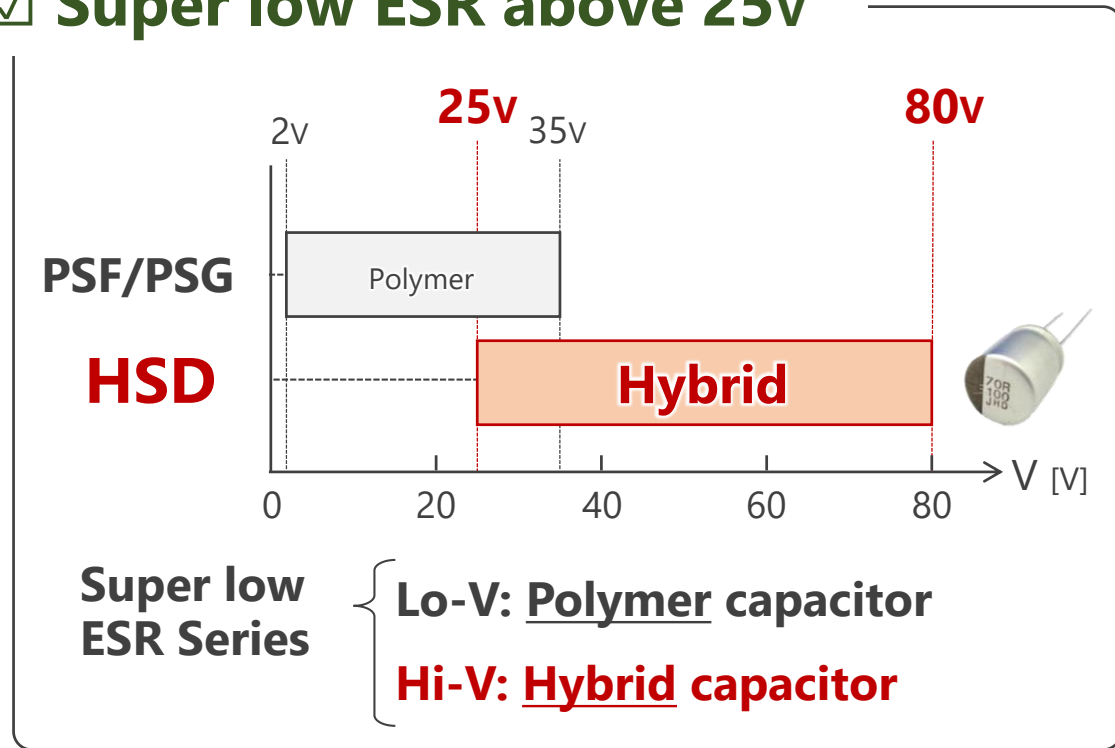
- ① **Super low ESR above 25v**
- ② **Wear-out failure (Open Circuit & Safety)**
- ③ **Higher capacitance**
- ④ **Higher ripple current**

## ● Benefit/Evidence

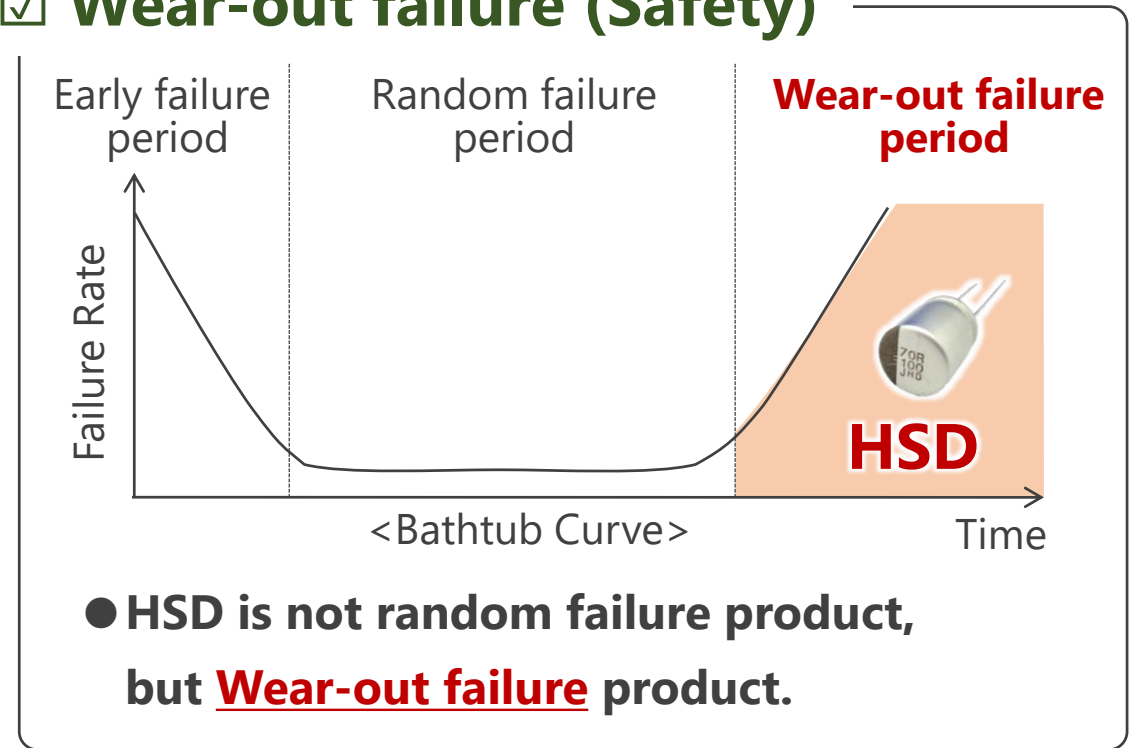
- ➔ ① Super low ESR above 25v / ② Wear-out failure (Open circuit & Safety)
- ③ Higher cap. / ④ Higher ripple · · · Higher power density, Longer equipment life



### ☑ Super low ESR above 25v



### ☑ Wear-out failure (Safety)



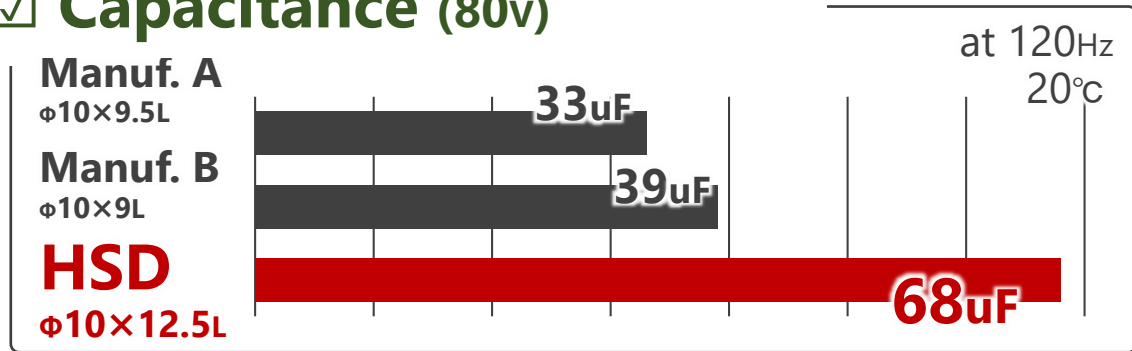
## ● Benefit/Evidence

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

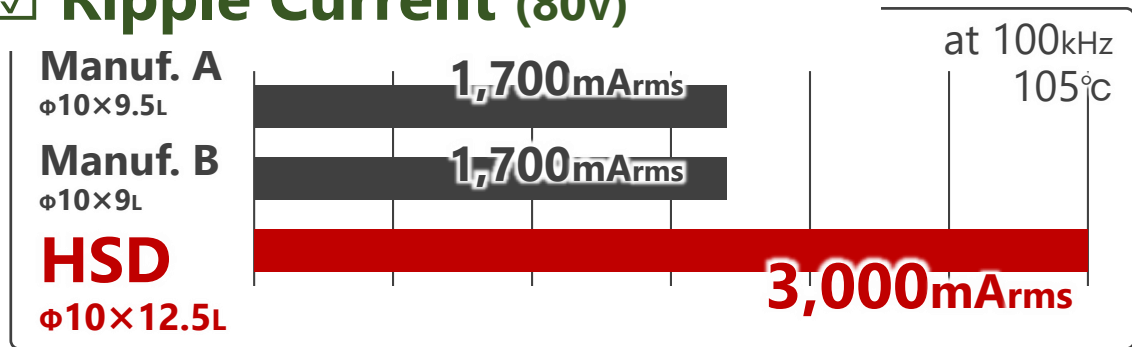
➔ ③ Higher cap. / ④ Higher ripple · · · Higher power density, Longer equipment life



### ☑ Capacitance (80v)



### ☑ Ripple Current (80v)



### ☑ Lifetime (80v)

