

● Feature

- ☑ Endurance: 105°C 10,000h (with ripple)
- ☑ Voltage: 25 to 80V_{dc}
- ☑ Capacitance: 68 to 470μF
- ☑ Size: φ10×12.5L
- ☑ Bias humidity: 85°C/85%RH 2,000h

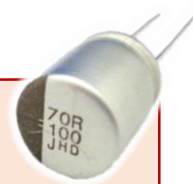
● Product Chart



Upgrade! 2021.07

HSD

- Expanded to 80v!!
- 105°C Standard
- 85°C / 85%RH 2,000h
- 105°C 10,000h



Since 2017.09

- ☑ Recommended to replace in
Aluminum electrolytic capacitor to HSD

*Lineup for super low ESR at 105°C (Radial lead type)

HSC

- 125°C Standard
- 25 to 63v
- 100 to 330μF
- 125°C 4,000h

Since 2016.03

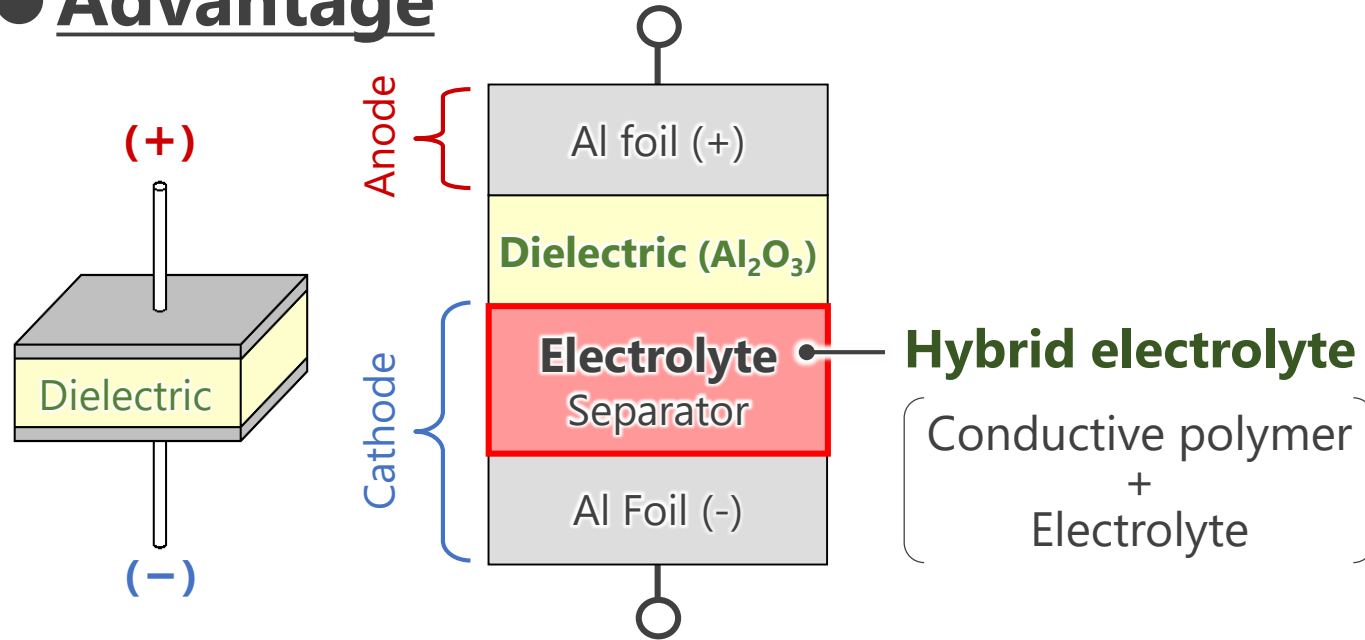
HSE

- 135°C Standard
- 25 to 63v
- 100 to 330μF
- 135°C 4,000h

Since 2018.07



● Advantage



☑ Four advantage of HSD



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

Conventional
HS □

【 Key Technologies 】

Dielectric

- Optimized thickness

Electrolyte

- Optimized Polymer and Electrolyte

HSD

2021.07

Upgrade!

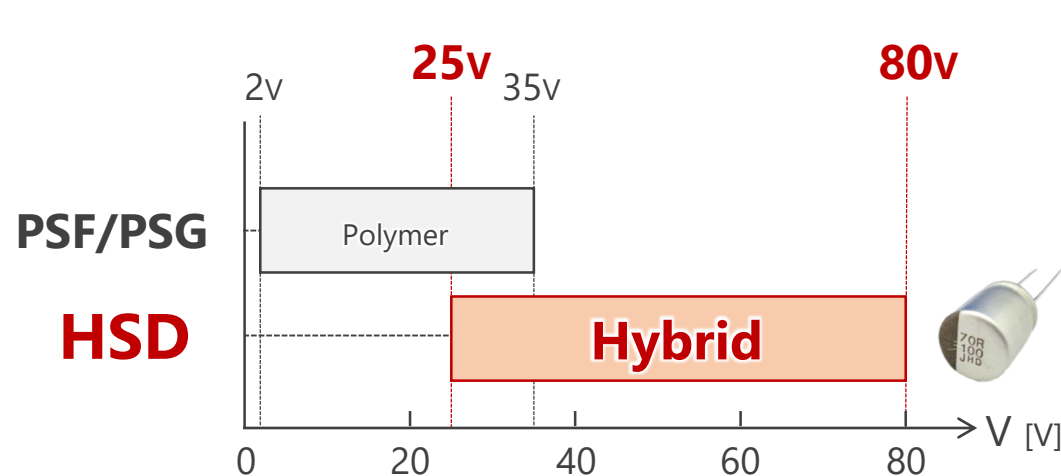
Expanded to 80v

● 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

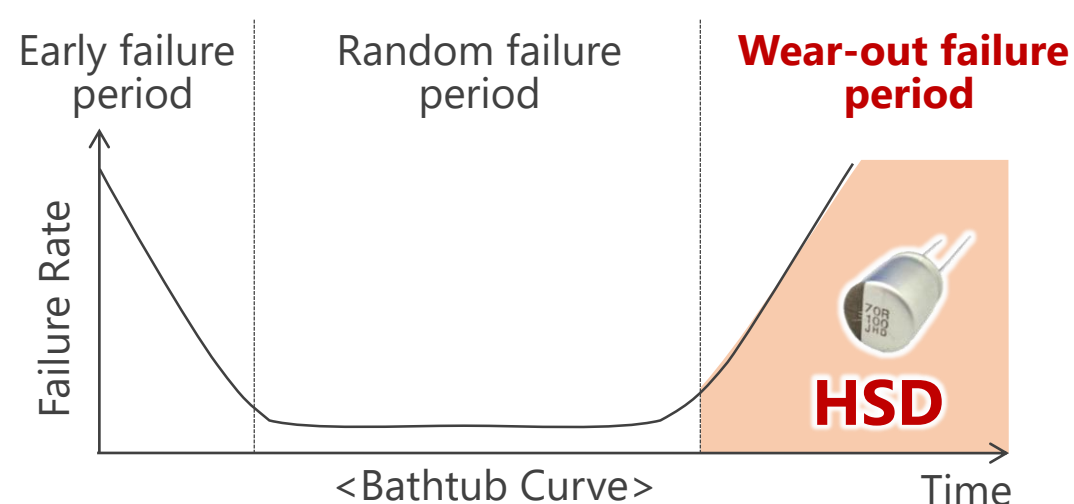


Super low
ESR Series

Lo-V: Polymer capacitor

Hi-V: Hybrid capacitor

☑ Wear-out failure (Safety)



● HSD is not random failure product,
but Wear-out failure product.

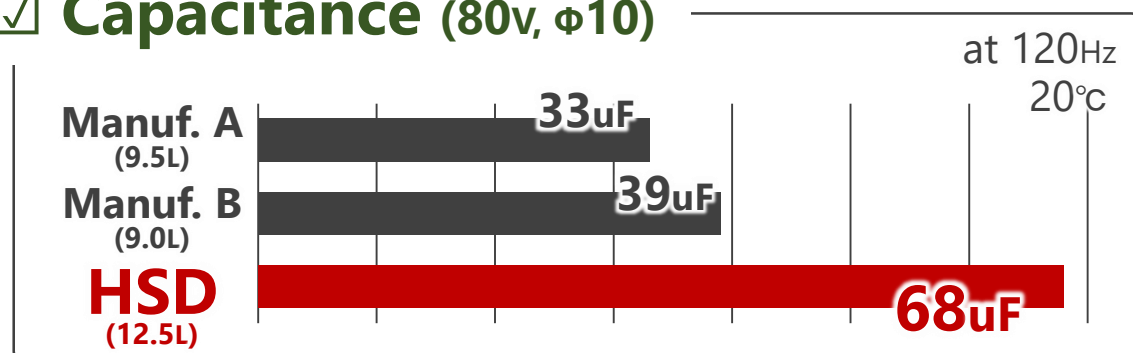
● Benefit/Evidence

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

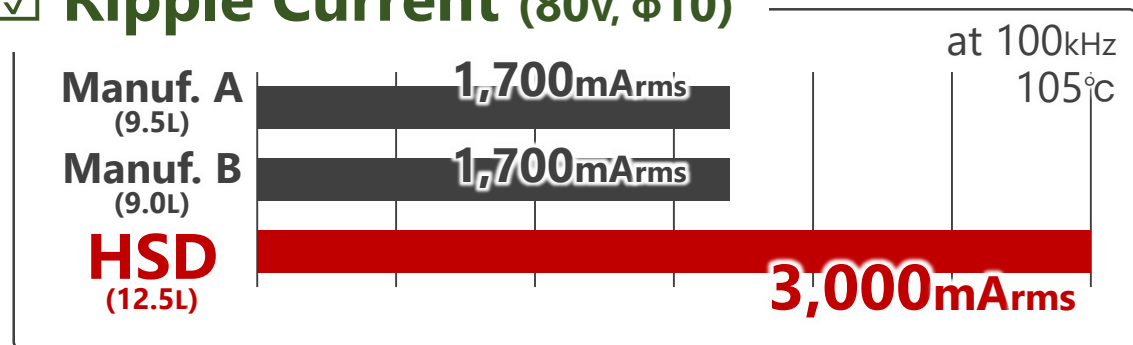
➡ ③ Higher cap. / ④ Higher ripple · · · Higher power density, Longer equipment life



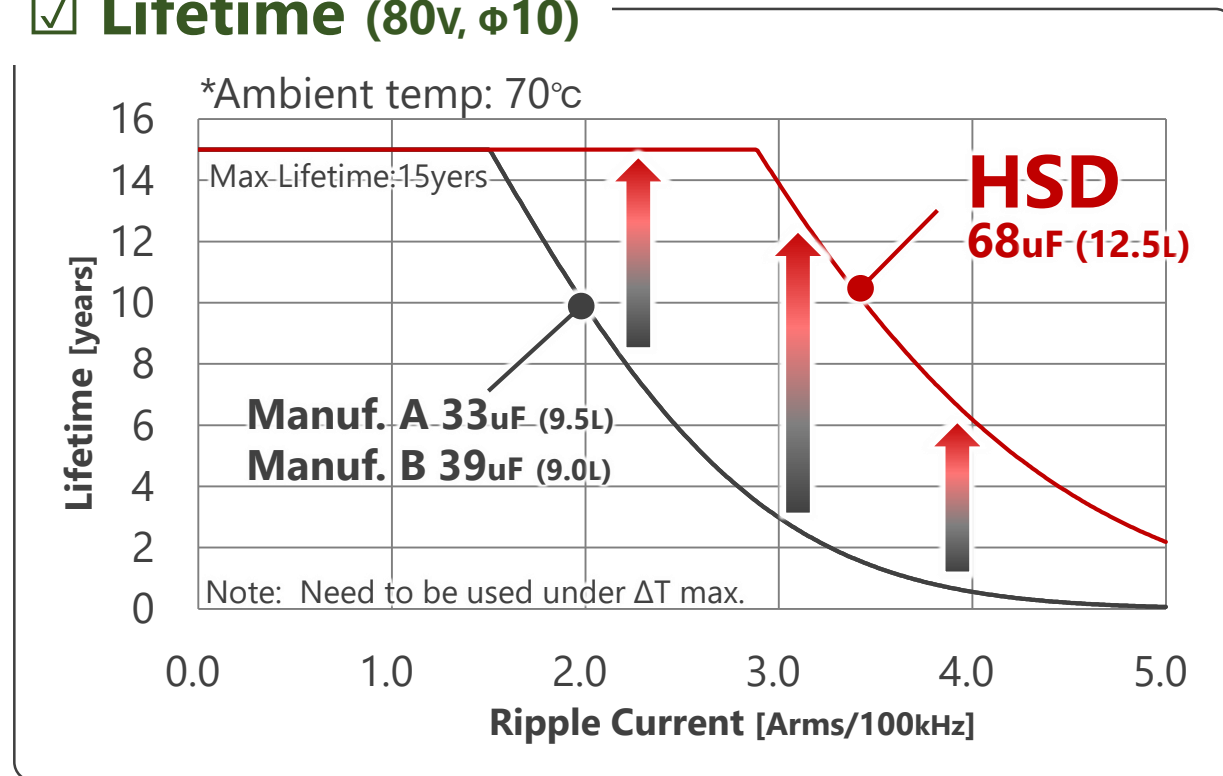
✓ Capacitance (80v, $\phi 10$)



✓ Ripple Current (80v, $\phi 10$)



✓ Lifetime (80v, $\phi 10$)



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[United Chemi-Con \(UCC\):](#)

[HHSD250ELL331MJC5S](#) [HHSD350ELL271MJC5S](#) [HHSD500ELL121MJC5S](#) [HHSD630ELL101MJC5S](#)