

● Feature

- ✓ Endurance: **125°C 4,000h** (with ripple)
- ✓ Voltage: **25V_{dc} to 80V_{dc}**
- ✓ Capacitance: 56 μ F to 330 μ F
- ✓ Size: ϕ 10×12.5L
- ✓ Bias Humidity: 85°C/85%RH 2,000h

● Recommended Application

- ✓ For high reliability usage
- ✓ For automotive
- ✓ For power supply for Data center

● Product Chart

*Lineup for super low ESR at 125°C
(Radial lead type)

HSD

- 105°C Standard
- 25 to 80v
- 68 to 470 μ F
- **105°C 10,000h**

Since 2017.09

2021.12

Upgrade!

HSC

- **Expanded to 80v!!**
- 125°C Standard
- **85°C / 85%RH 2,000h**
- **125°C 4,000h**

Since 2016.03

✓ Recommended to replace in HSD to HSC



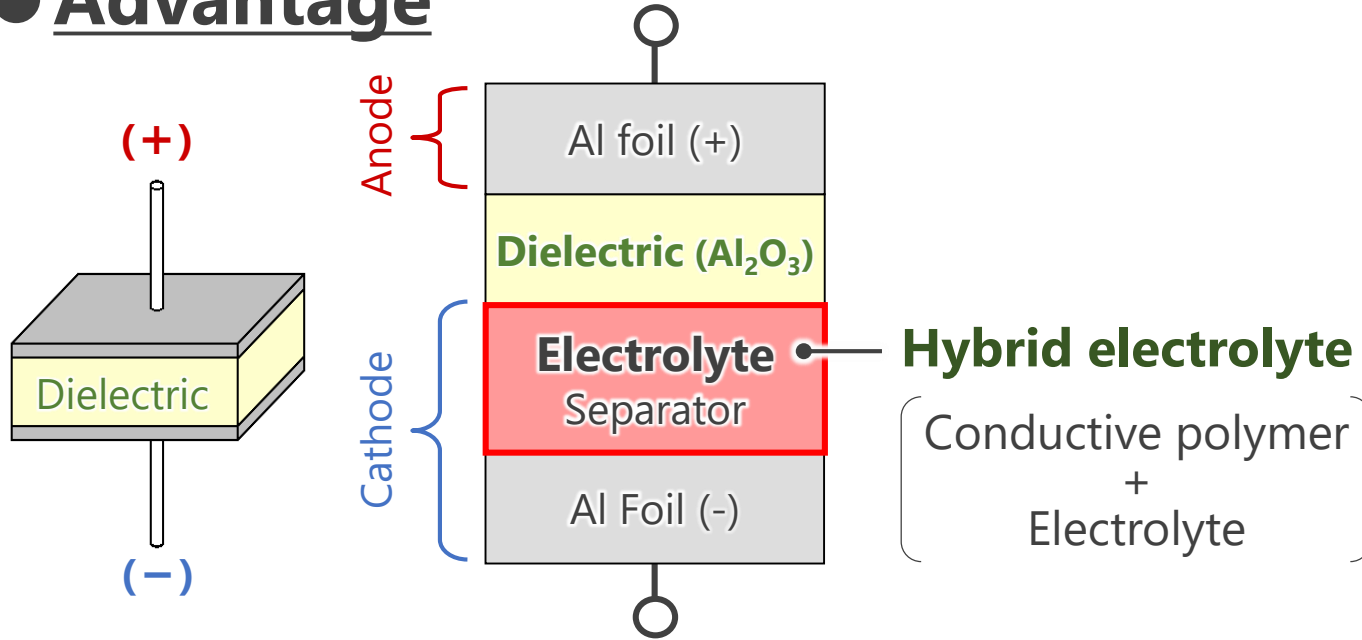
HSE

- 135°C Standard
- 25 to 63v
- 100 to 330 μ F
- **135°C 4,000h**

Since 2018.07



● Advantage



☑ Four advantage of HSC



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

105°C
HSD

【 Key Technologies 】

Dielectric

- Optimized thickness

Electrolyte

- Optimized polymer and electrolyte

125°C
HSC

2021.12

Upgrade!

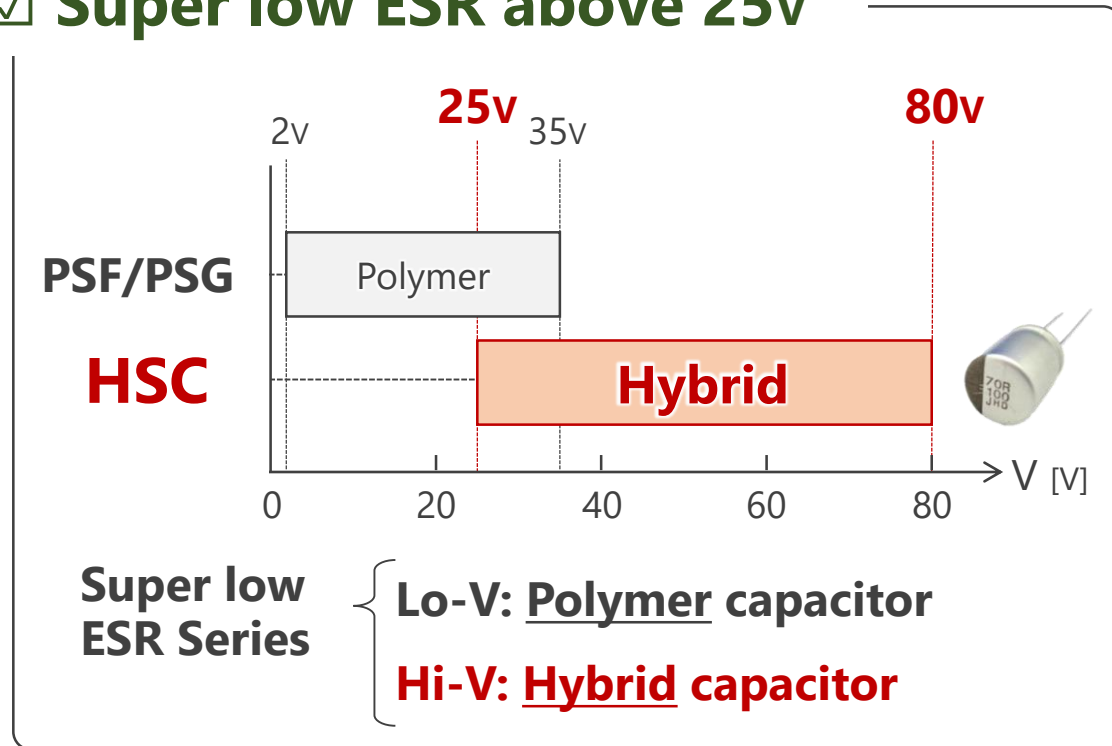
Expanded to 80v

● 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



☑ Wear-out failure (Safety)



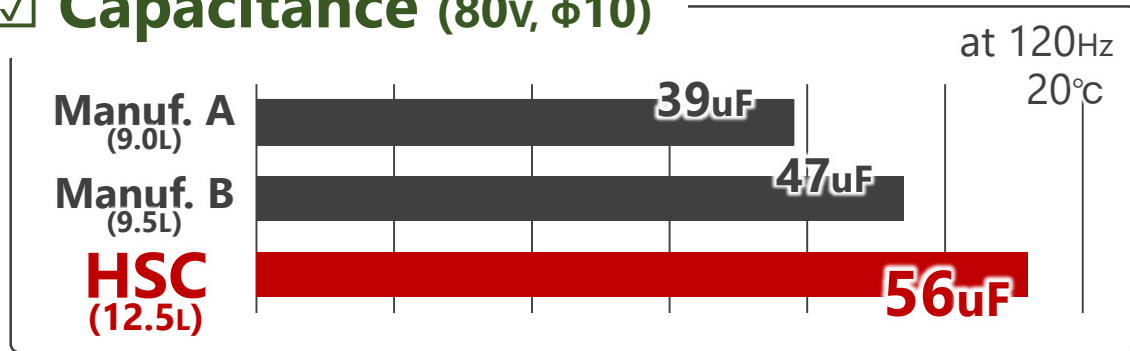
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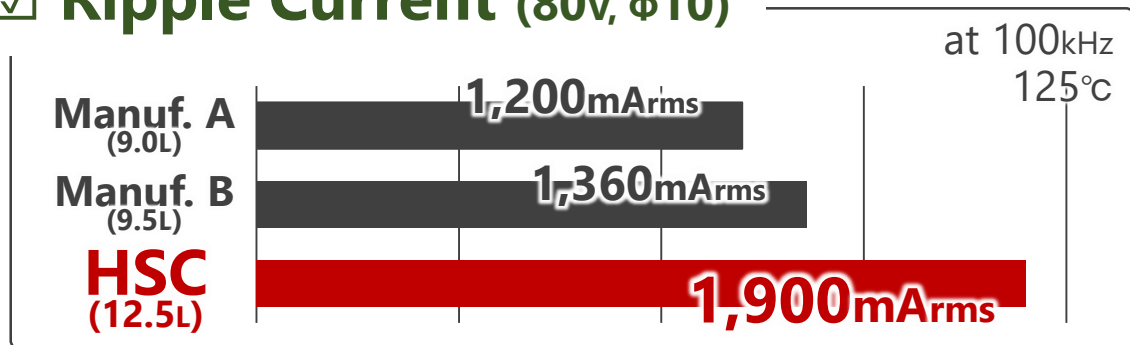
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☑ Capacitance (80v, φ10)



☑ Ripple Current (80v, φ10)



☑ Lifetime (80v, φ10)

