

● Feature

- ☑ Endurance: 125°C 2,000h / 5,000h
- ☑ Voltage: 16V_{dc} to 100V_{dc}
- ☑ Capacitance: 110μF to 6,200μF
- ☑ Size: φ8×10L to φ18×21.5L
- ☑ Higher Capacitance than MVH Series

● Product Chart

- ☑ Recommended to replace from MVH to MHS
- *Lineup for high heat resistance/high capacitance (SMD type)

● Recommend Application

- ☑ ECUs (Ex. Direct fuel injection)
- ☑ Backup capacitor (Automotive)
- ☑ Automotive (Ex. DC-LINK)

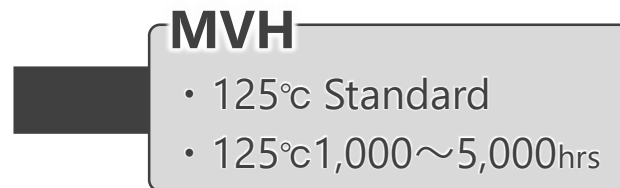


2022.08

Upgrade!

MHS

- Added new case size!! (φ8, φ10)
- High temperature reflow
- Higher capacitance
- 125°C 2,000h / 5,000h

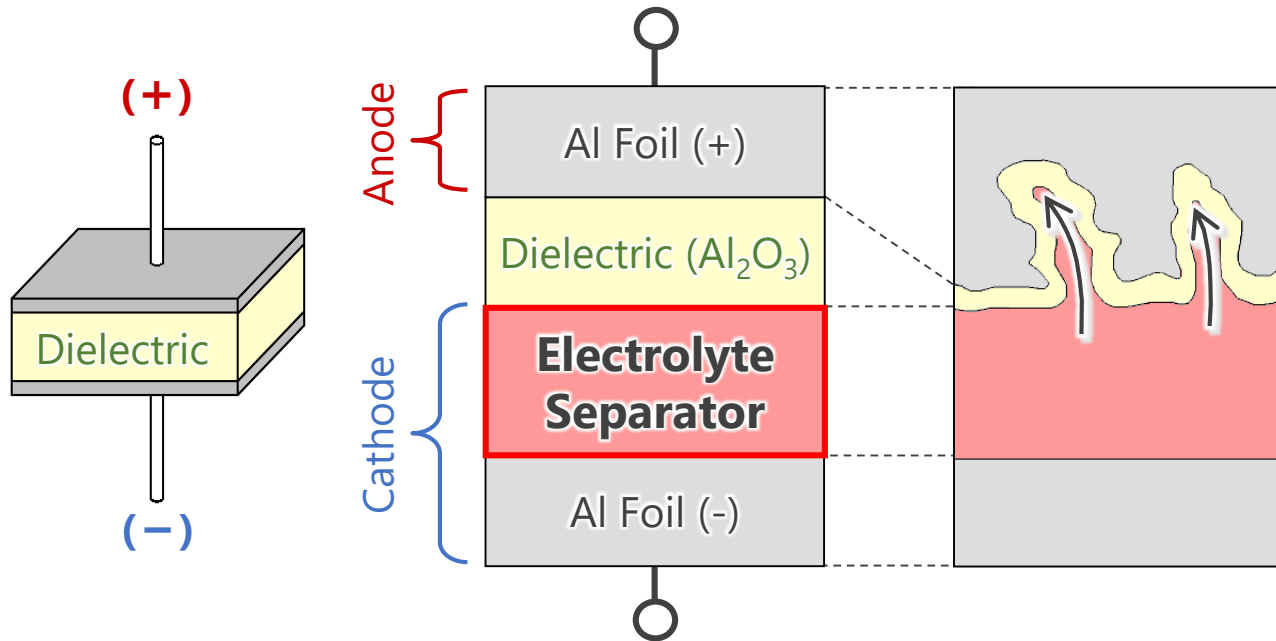


Since 1998.06

Since 2017.06

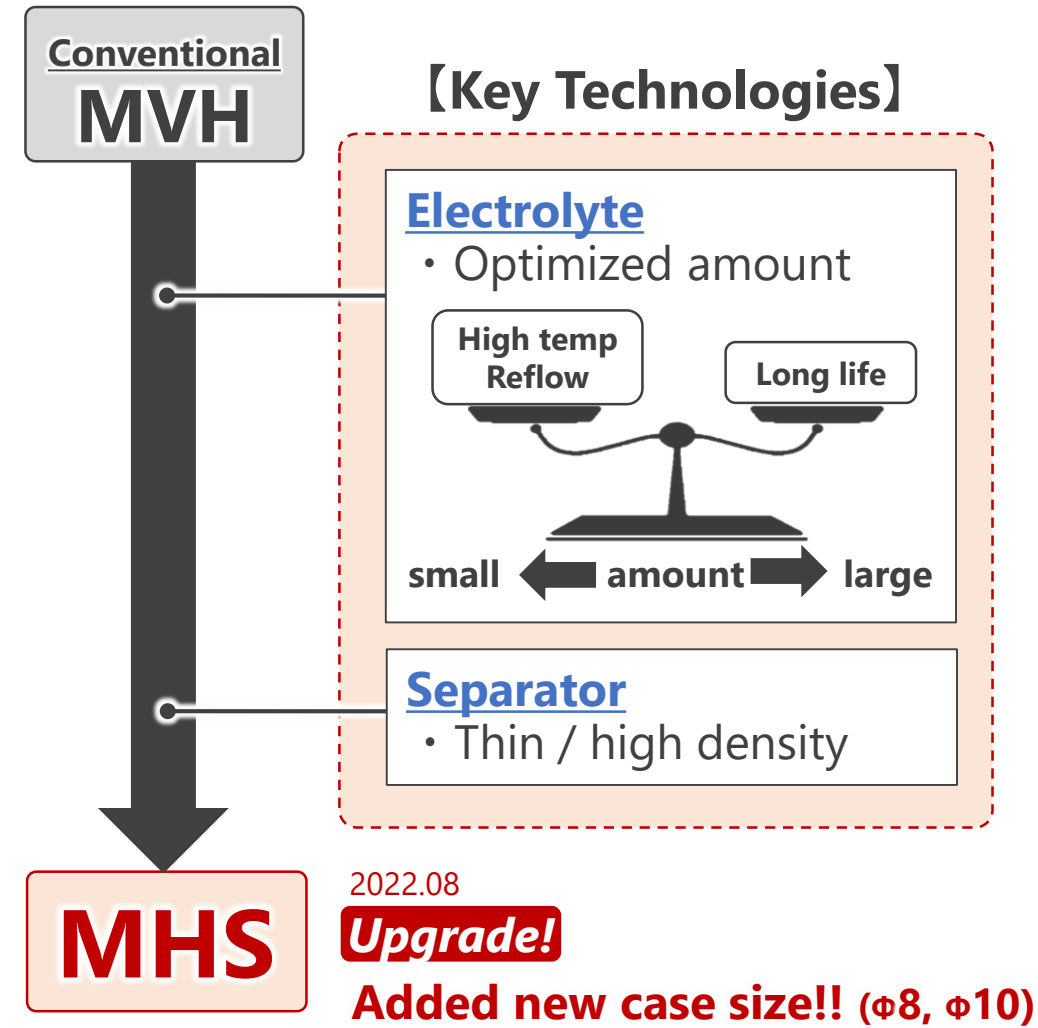


● Advantage



✓ Two advantages from MVH to MHS

- ① High temperature reflow
- ② Higher capacitance / Downsizing

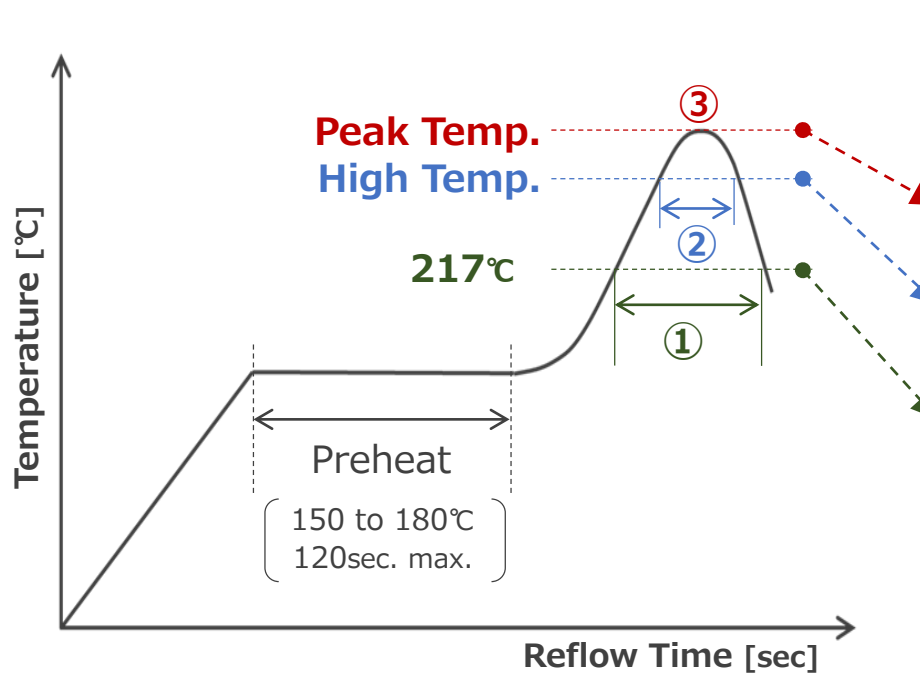


● Benefit/Evidence

- ➔ ① High temperature reflow . . . JEDEC J-STD-020C compliant
- ② Higher capacitance / Downsizing . . . Reduce # of capacitor

☑ Reflow Profile

*Air reflow or infrared reflow



Reflow Profile	JEDEC (J-STD-020C)	MHS		
		φ8	φ10	φ12.5 ≤
③ Peak Temp.	245 °C	<u>250 °C</u>	<u>250 °C</u>	<u>245 °C</u>
② High Temp.	30 sec. max. (above 240°C)	<u>40 sec. max.</u> (above 245°C)	<u>40 sec. max.</u> (above 245°C)	<u>20 sec. max.</u> (above 240°C)
① Above 217°C	60 sec. max.	<u>90 sec. max.</u>	<u>90 sec. max.</u>	<u>70 sec. max.</u>
Reflow Number	3 times or less	<u>3 times or less</u>	<u>2 times or less</u>	<u>3 times or less</u>

● Benefit/Evidence

① High temperature reflow · · · JEDEC J-STD-020C compliant

➔ ② Higher capacitance / Downsizing · · · Reduced # of capacitor

