

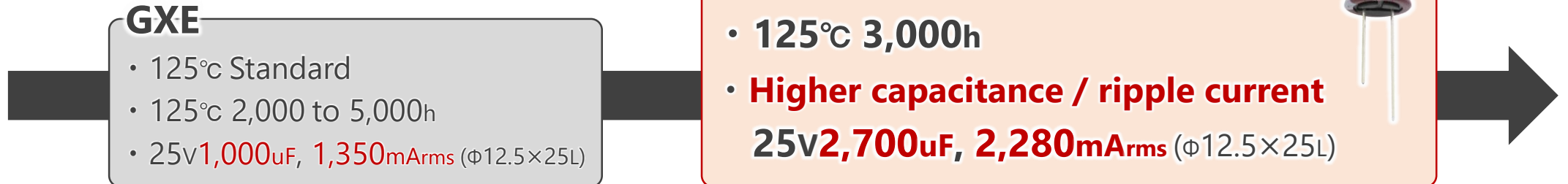
## ● Feature

- ✓ Endurance: **125°C 3,000h** (with ripple)
- ✓ Voltage: 25V<sub>dc</sub> to 400V<sub>dc</sub>
- ✓ Capacitance: 12<sub>uF</sub> to 11,000<sub>uF</sub>
- ✓ Size:  $\phi 10 \times 12.5L$  to  $\phi 18 \times 40L$
- ✓ **Higher capacitance / ripple current** than GXE

## ● Product Chart

- ✓ **Recommended to replace from GXE to GXF**

\*Line up for 125°C Automotive (lead type)



Since 1999.08

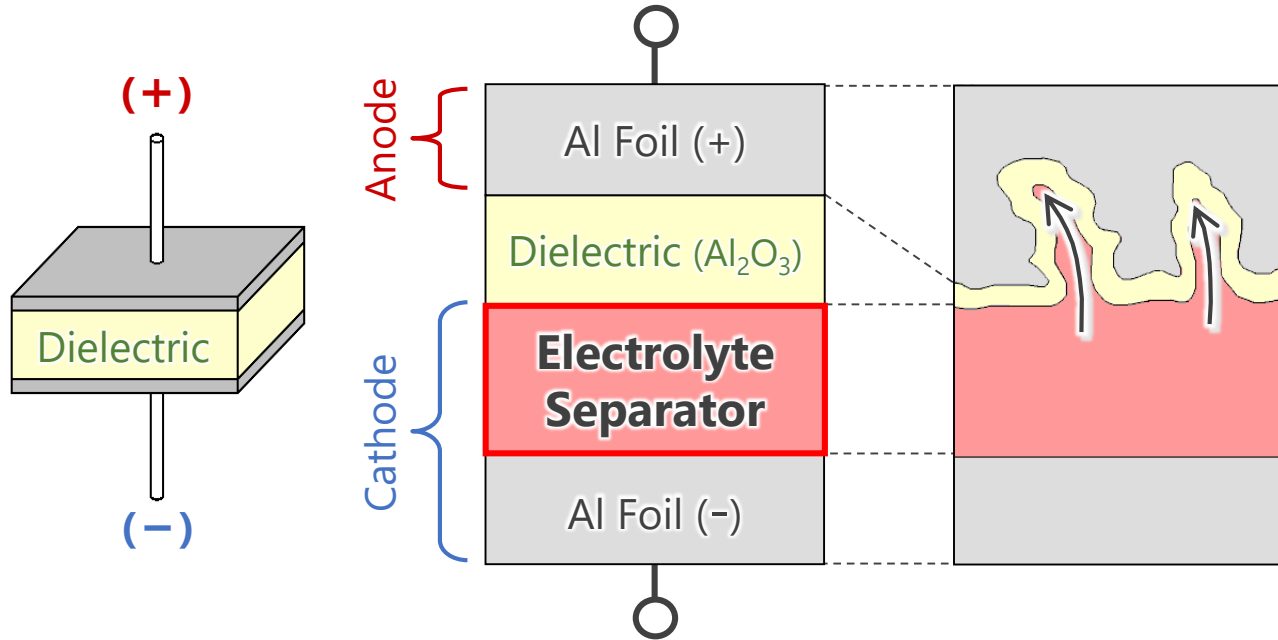
Since 2015.09

## ● Recommended Application

- ✓ Automotive ECUs (e.g., Direct injection)
- ✓ For High temperature usage
- ✓ AEC-Q200 compliant



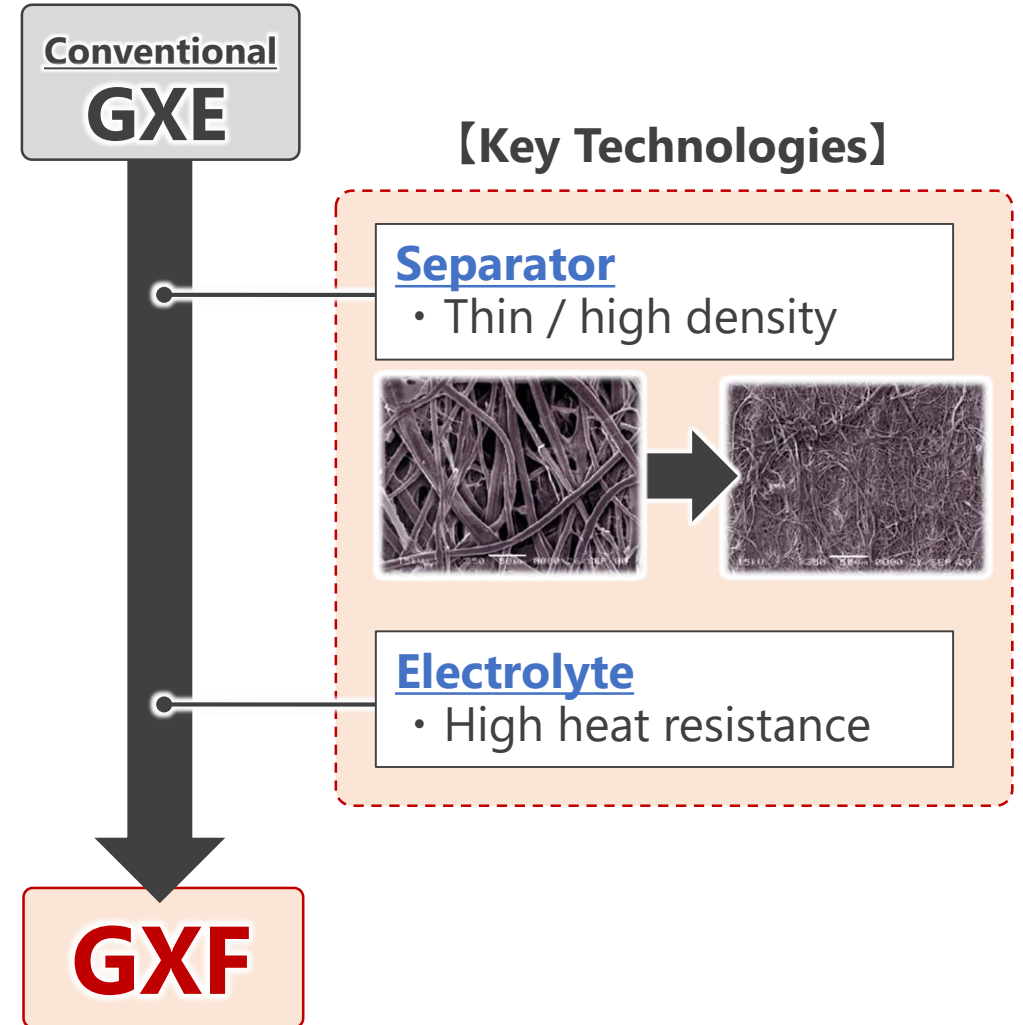
## ● Advantage



## ✓ Two advantages from GXE to GXF



- ① Downsizing
- ② Higher cap. / Higher ripple

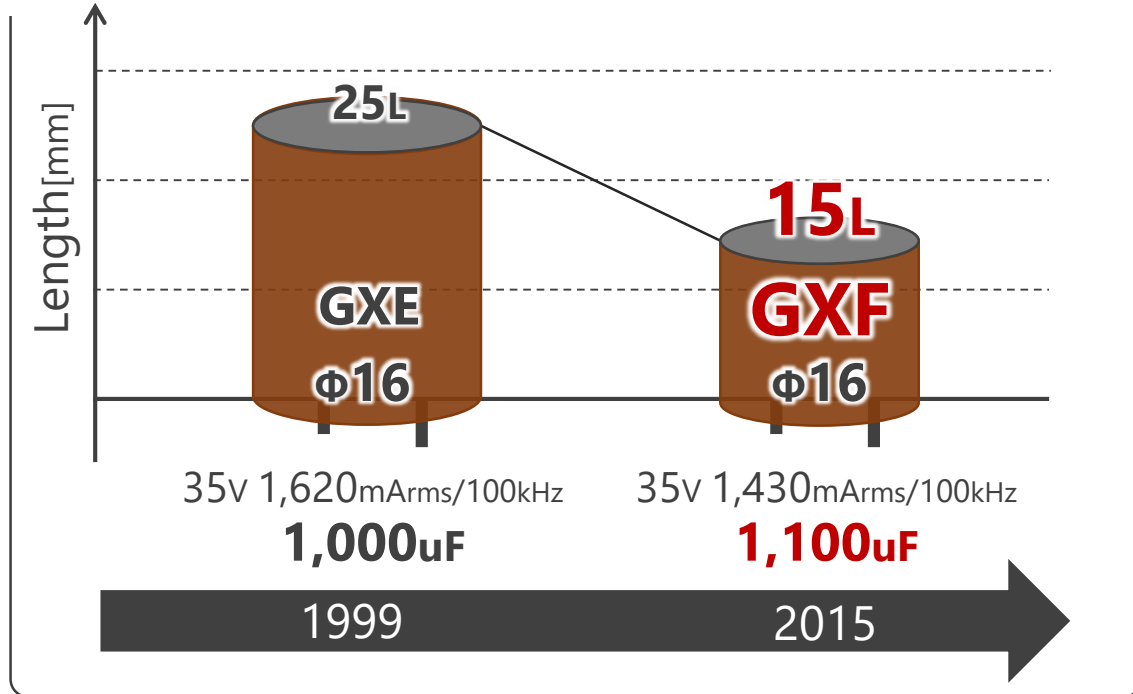


● **Benefit / Evidence**

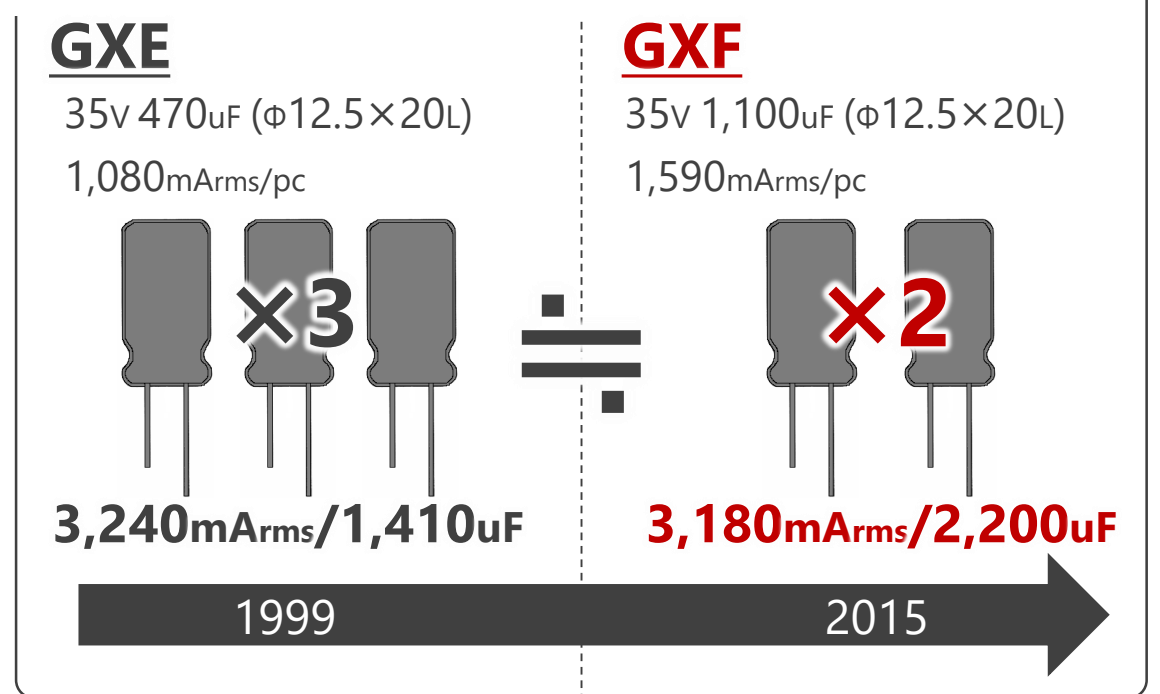
- ➔ ① **Downsizing** . . . Equipment downsizing, Reduced # of capacitors and cost
- ② Higher cap. / Higher ripple . . . Longer equipment life



☑ **Comparison at height (fixed diameter)**



☑ **Reduced # of parts (fixed total ripple)**



### ● Benefit / Evidence

① Downsizing . . . Equipment downsizing, Reduced # of capacitors and cost

➔ ② Higher cap. / Higher ripple . . . Longer equipment life

