

● Feature

- ✓ Endurance: **105°C 5,000h**
- ✓ Voltage: 6.3V_{dc} to 50V_{dc}
- ✓ Capacitance: 100 μ F to 1,500 μ F
- ✓ Size: $\phi 8 \times 10L$ to $\phi 10 \times 10L$
- ✓ **Longer lifetime** than MZR series

● Recommended Application

- ✓ For switched-mode power supplies (Smoothing output current)
- ✓ Power supplies (Back up) for automotive
- ✓ For automotive (Body) motor DC-LINK

● Product Chart

- ✓ **Recommended to replace in MZA/MZR to MZL**

*High Capacitance / Low Impedance (SMD type)

MVY

- Low Impedance
- 105°C 2,000h ($\phi 10 \times 10L$)
- **330 μ F** (35V, $\phi 10 \times 10L$)

Since 1997.05

MZA

- Low Impedance
- 105°C 2,000h ($\phi 10 \times 10L$)
- **330 μ F** (35V, $\phi 10 \times 10L$)

Since 2003.04

MZR

- Higher capacitance
- 105°C 2,000h
- **560 μ F** (35V, $\phi 10 \times 10L$)

Since 2013.12

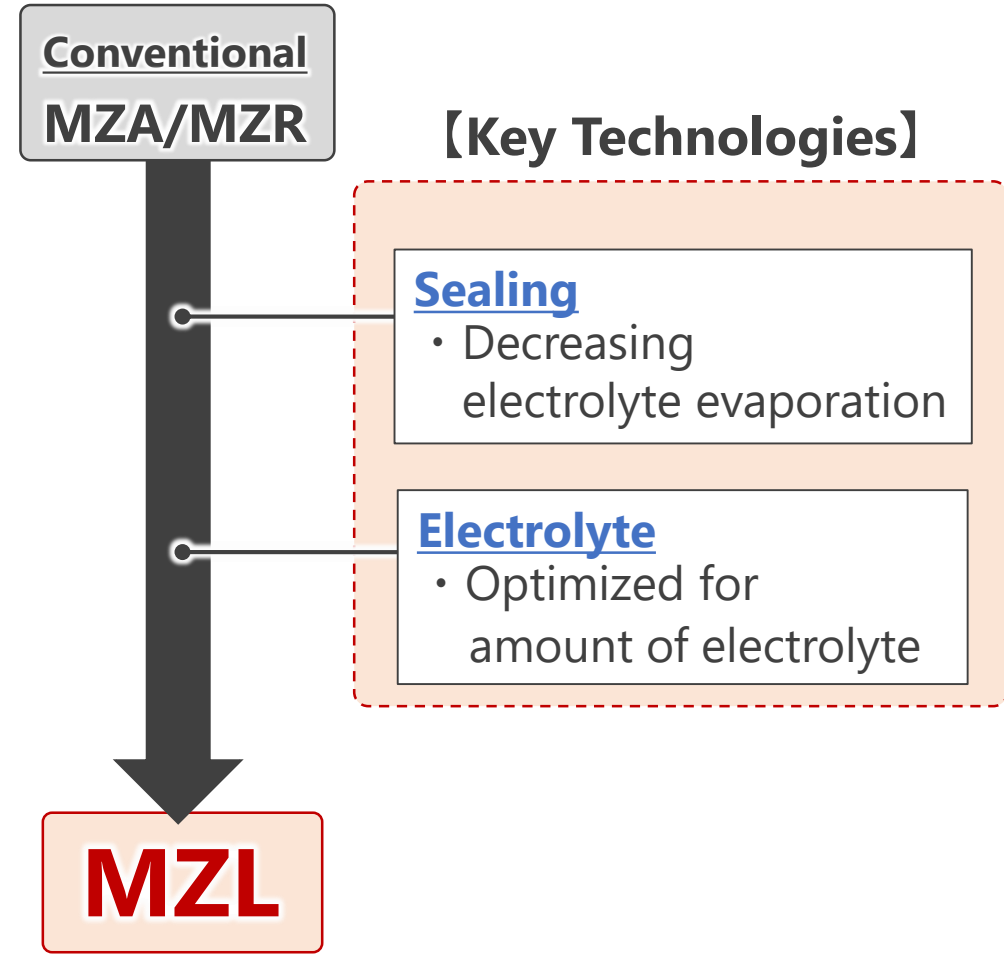
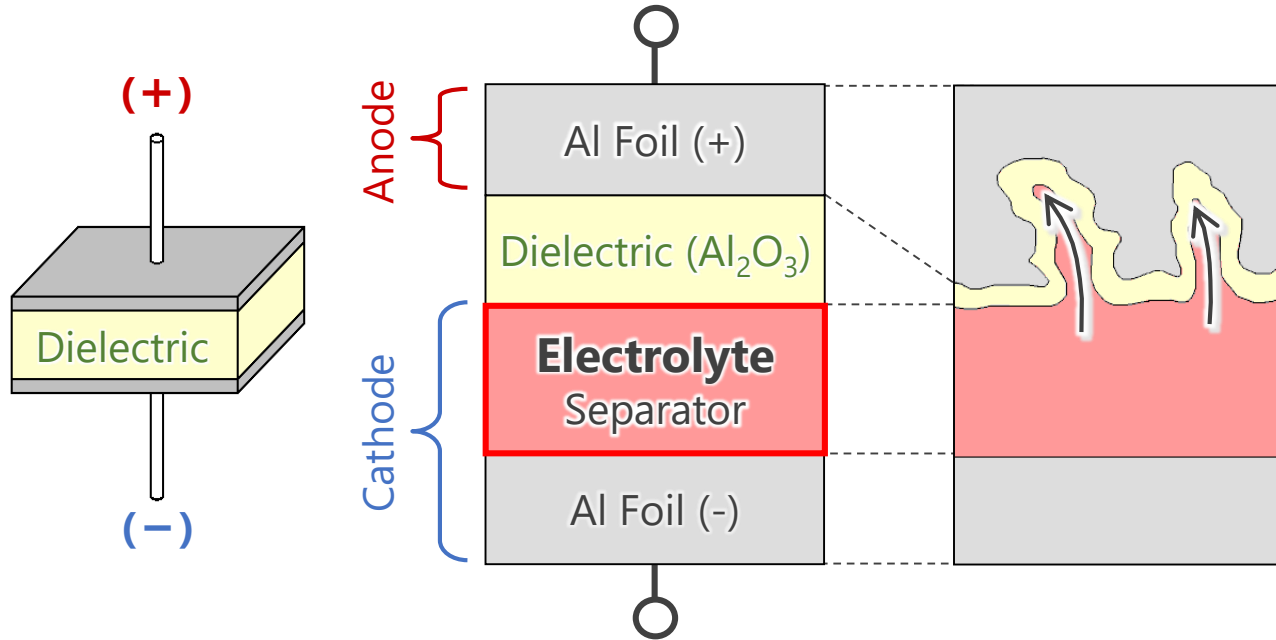
MZL

- **Longer lifetime**
- **105°C 5,000h**
- **560 μ F** (35V, $\phi 10 \times 10L$)

Since 2019.12



● Advantage



☑ Two advantages from MZA/MZR to MZL



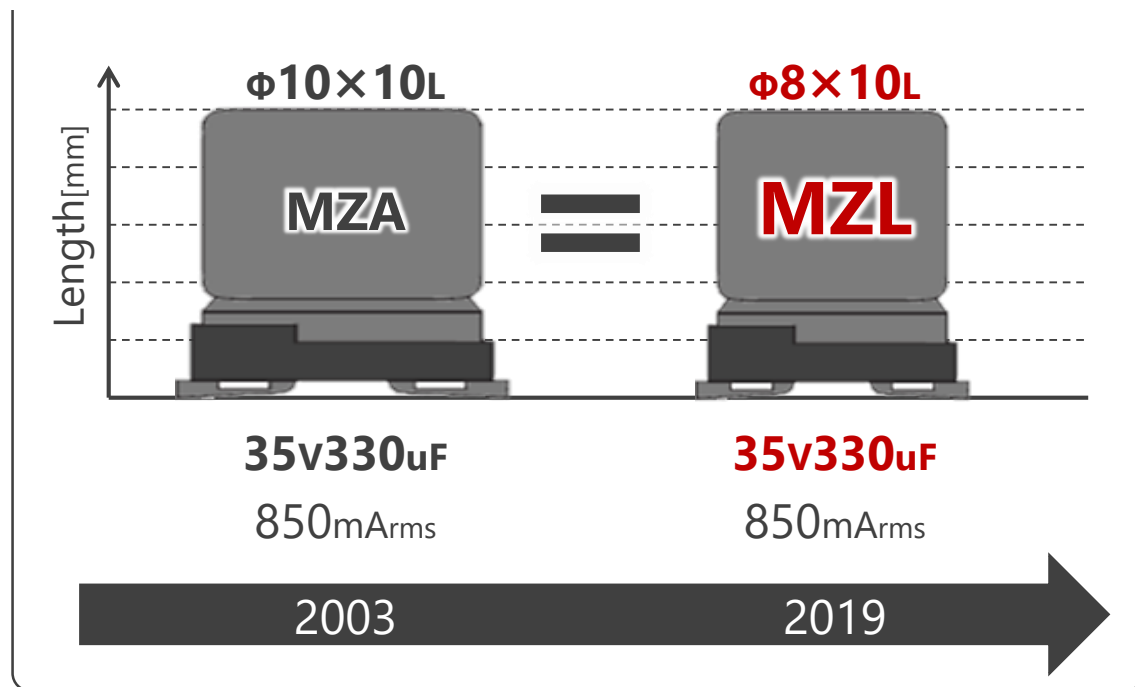
- ① Downsizing
- ② Longer lifetime

● Benefit/Evidence

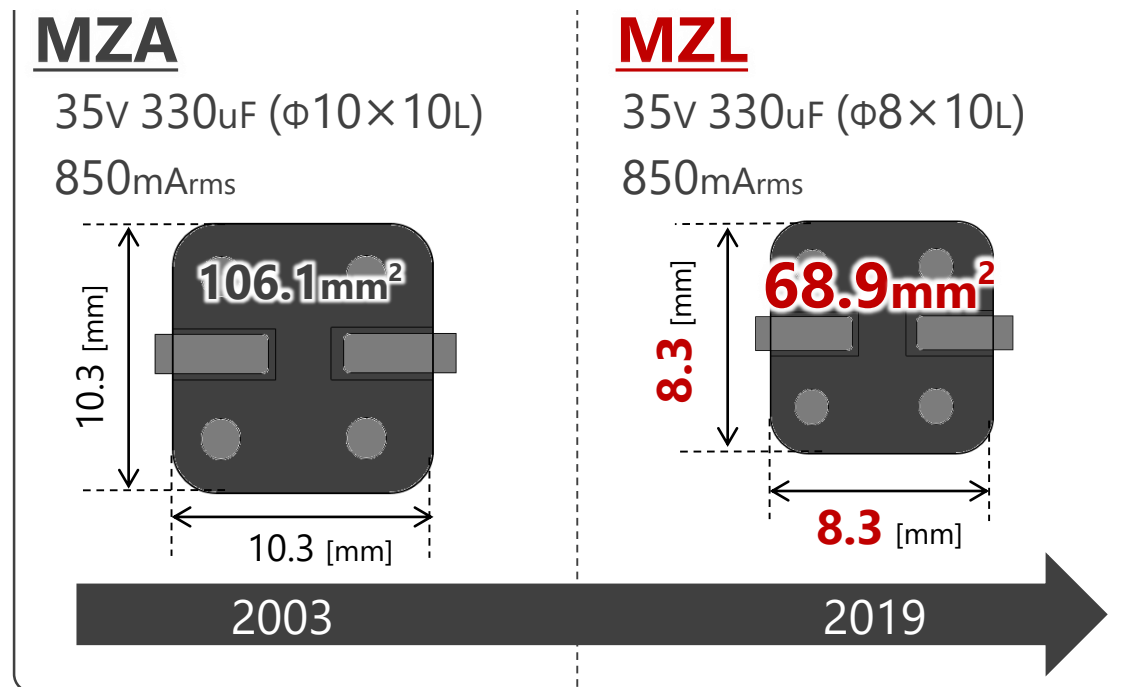
- ➔ ① **Downsizing** . . . Equipment downsizing, Reduced area occupied by parts
- ② **Longer life** . . . Longer equipment lifetime



☑ Downsizing (Fixed total capacitance)



☑ Reduced area (Fixed total capacitance)



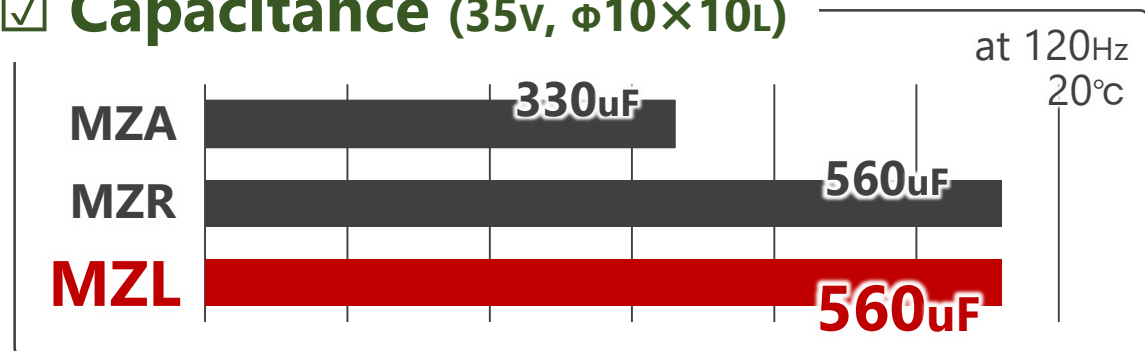
● Benefit/Evidence

① Downsizing . . . Equipment downsizing, Reduced area occupied by parts

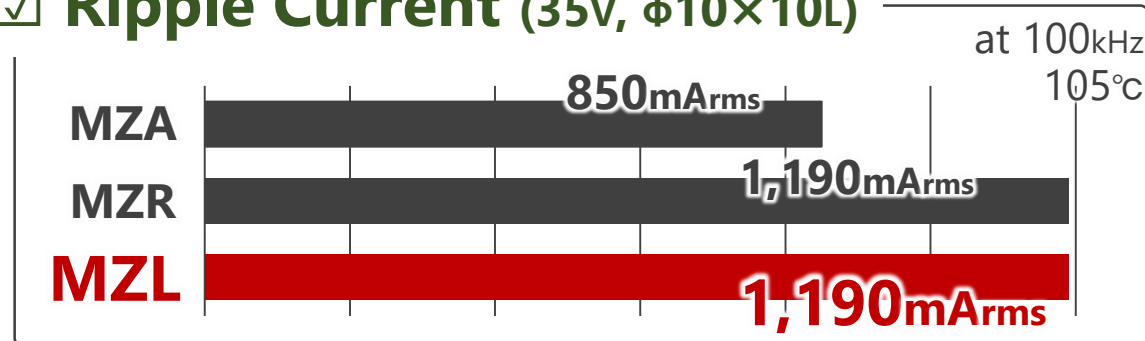
➔ ② **Longer life** . . . **Longer equipment lifetime**



☑ Capacitance (35V, $\Phi 10 \times 10L$)



☑ Ripple Current (35V, $\Phi 10 \times 10L$)



☑ Lifetime (35V, $\Phi 10 \times 10L$)

