

## ● Feature

- ☑ Endurance: **105°C 9,000 to 10,000h** (with ripple)
- ☑ Voltage: 6.3 to 100V<sub>dc</sub>
- ☑ Capacitance: 56 to 22,000μF
- ☑ Size: φ10×12.5L to φ18×40L
- ☑ **Higher ripple current** than KZM series

## ● Product Chart

- ☑ **Recommended to replace in KMQ/KZE to KZN**

\*Low Impedance series (less than 100v, Radial lead type )

### KMQ

- 105°C Standard
- **610mArms** (25V, φ10×16L)
- 105°C 2,000h

Since 2001.06

### KZE

- Lower Impedance
- **1,430mArms** (25V, φ10×16L)
- 105°C 4,000 to 5,000h

Since 2000.06

### KZM

- Longer life
- **1,760mArms** (25V, φ10×16L)
- 105°C 10,000h

Since 2007.12

### **Upgrade!** **KZN**



**Expanded to 80v, 100v**

- **Higher ripple Current**  
**2,000mArms** (25V, φ10×16L)
- **105°C 9,000 to 10,000h**

Since 2012.11

## ● Recommended Application

- ☑ For switched-mode power supplies (Smoothing output current)
- ☑ For motorcycle (ISG, motor controlling)

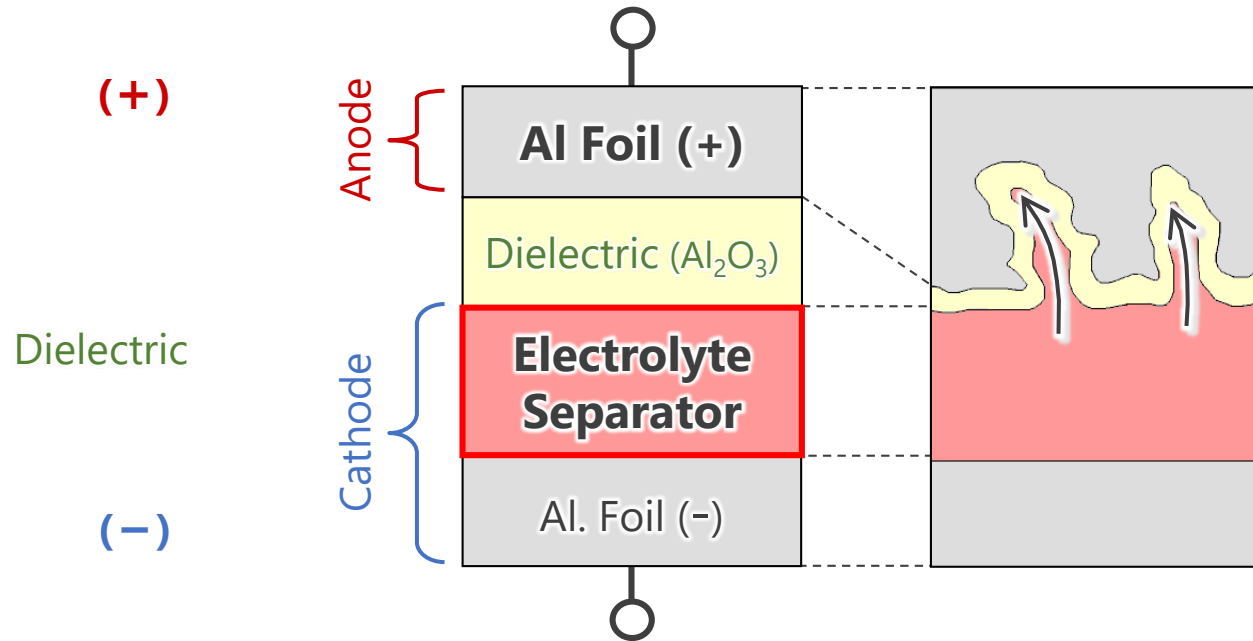


2020.08

**Upgrade!**



● Advantage



Conventional  
**KZM**

【Key Technologies】

**Al Foil**  
• Foil area increase

**Separator**  
• Thin / high density

**Electrolyte**  
• Newly developed

**KZN**

2020.08

**Upgrade!**

**Expanded to 80v,100v**

✓ Two advantages from KZM to KZN



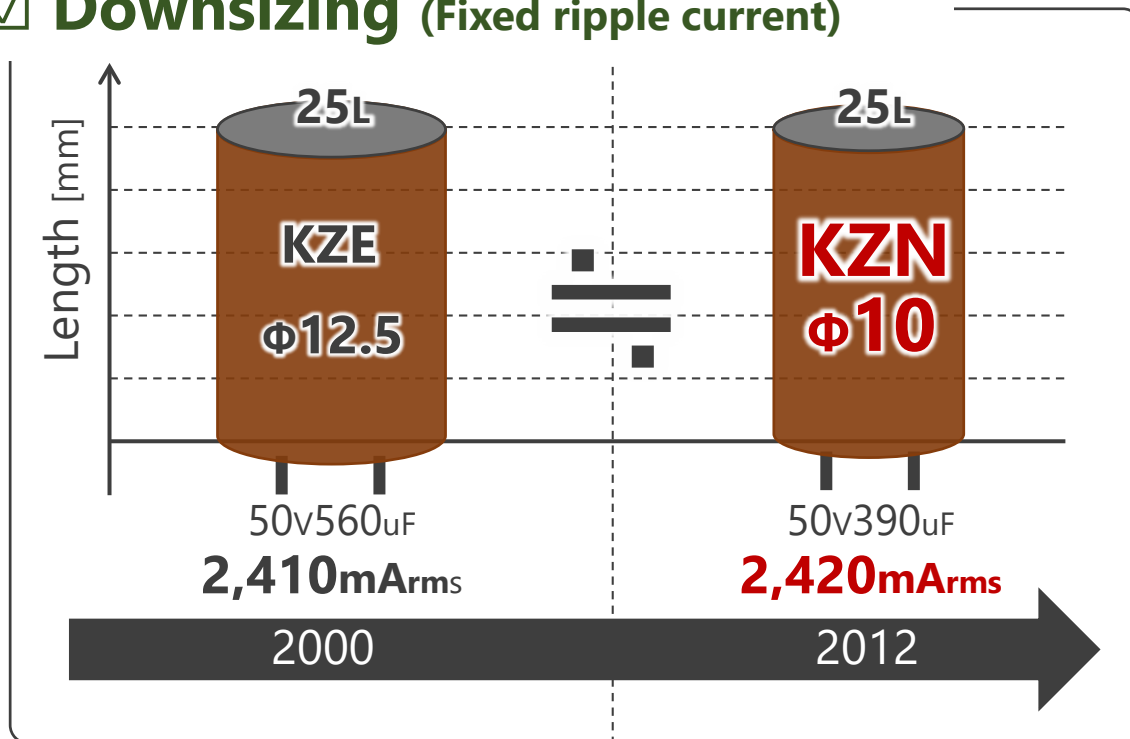
① **Higher ripple current**

② **Longer life**

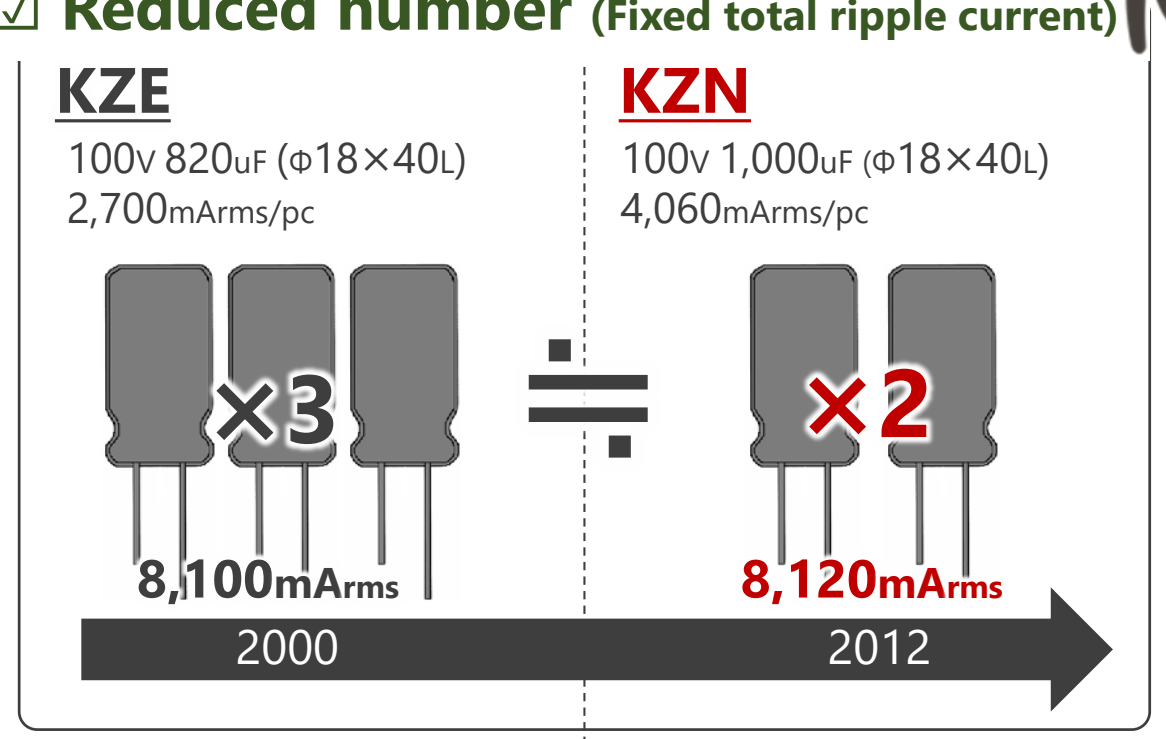
## ● Benefit / Evidence

- ➔ ① **Higher ripple** . . . **Equipment downsizing, Reduced # of capacitors, Higher power density**
- ② **Longer life** . . . **Longer equipment life**

### ☑ Downsizing (Fixed ripple current)



### ☑ Reduced number (Fixed total ripple current)



## ● Benefit / Evidence

- ➔ ① Higher ripple . . . Equipment downsizing, Reduced # of capacitors, Higher power density
- ➔ ② Longer life . . . Longer equipment life

