

## ● Feature

- ☑ Endurance: **105°C 10,000h / 12,000h** (with ripple)
- ☑ Voltage: 350V<sub>dc</sub> / 400V<sub>dc</sub> / 420V<sub>dc</sub> / 450V<sub>dc</sub>
- ☑ Capacitance: 15 to 330uF
- ☑ Size ø10×16L to ø18×50L
- ☑ **Higher capacitance** than KXL series

## ● Product Chart

- ☑ **Recommended to replace in KMQ/KXJ/KXL to KXN**

\*Line up for 105°C High ripple/Long life (160v and more ,Radial lead type)

### **KMQ**

- 105°C Standard
- 68uF (450v, ø18×35.5L)
- 105°C 2,000h

Since 2001.06

### **KXJ**

- Downsizing/Longer life
- **82uF** (450v, ø18×31.5L)
- 105°C **8,000 to 12,000h**

Since 2005.12

### **KXL**

- Downsizing/Longer life
- **100uF** (450v, ø18×30L)
- 105°C **10,000h / 12,000h**

Since 2016.10

2021.04  
**Upgrade!**  
**KXN**

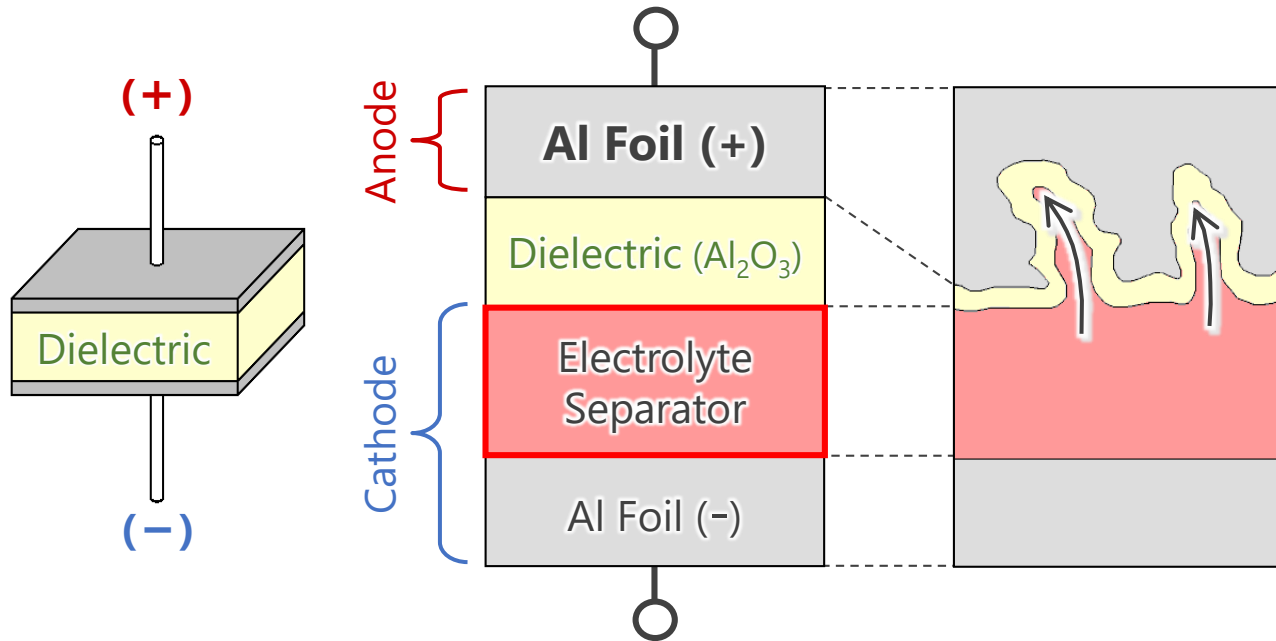


- **Expanded to 350v, 400v**
- **Downsizing/Higher ripple**
- **120uF** (450v, ø18×30L)
- **105°C 10,000h / 12,000h**

Since 2020.07



● Advantage



Conventional  
**KXL**

**【Key Technologies】**

**Al Foil 1**  
 • Higher Capacitance

**Al Foil 2**  
 • Foil area increase

✓ Three advantages from KXL to KXN



- ① Downsizing
- ② Higher capacitance
- ③ Higher ripple current

**KXN**

2021.04

**Upgrade!**

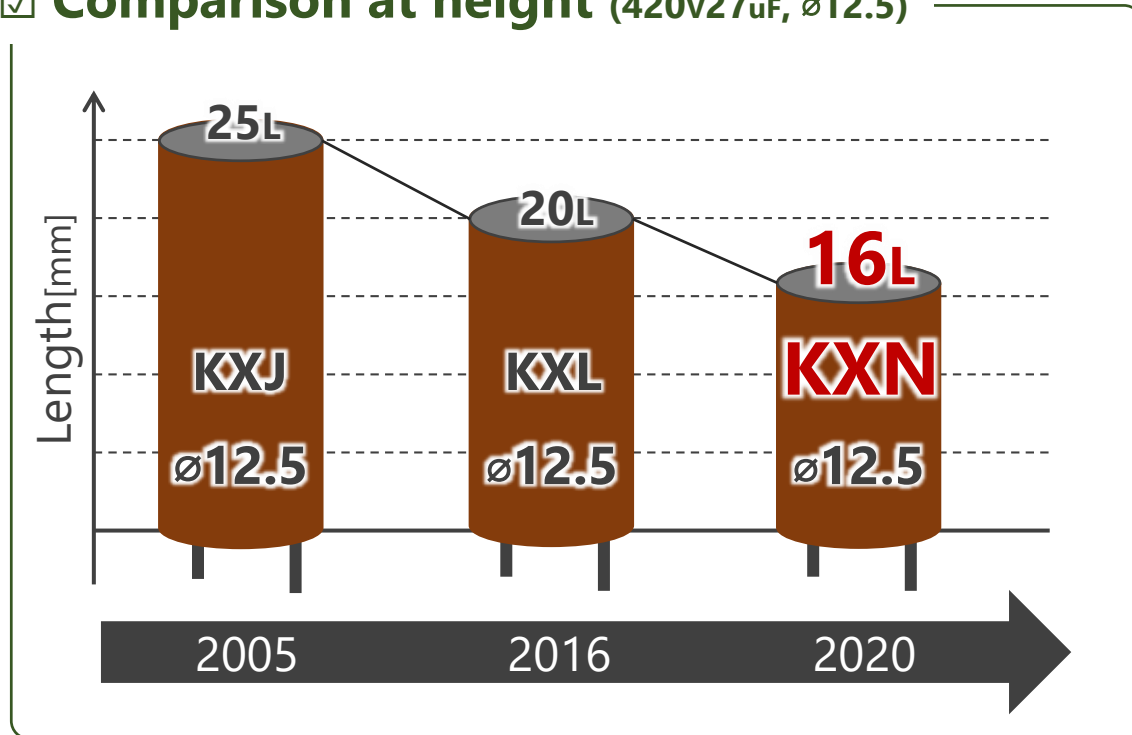
**Expanded to 350v, 400v**

## ● Benefit / Evidence

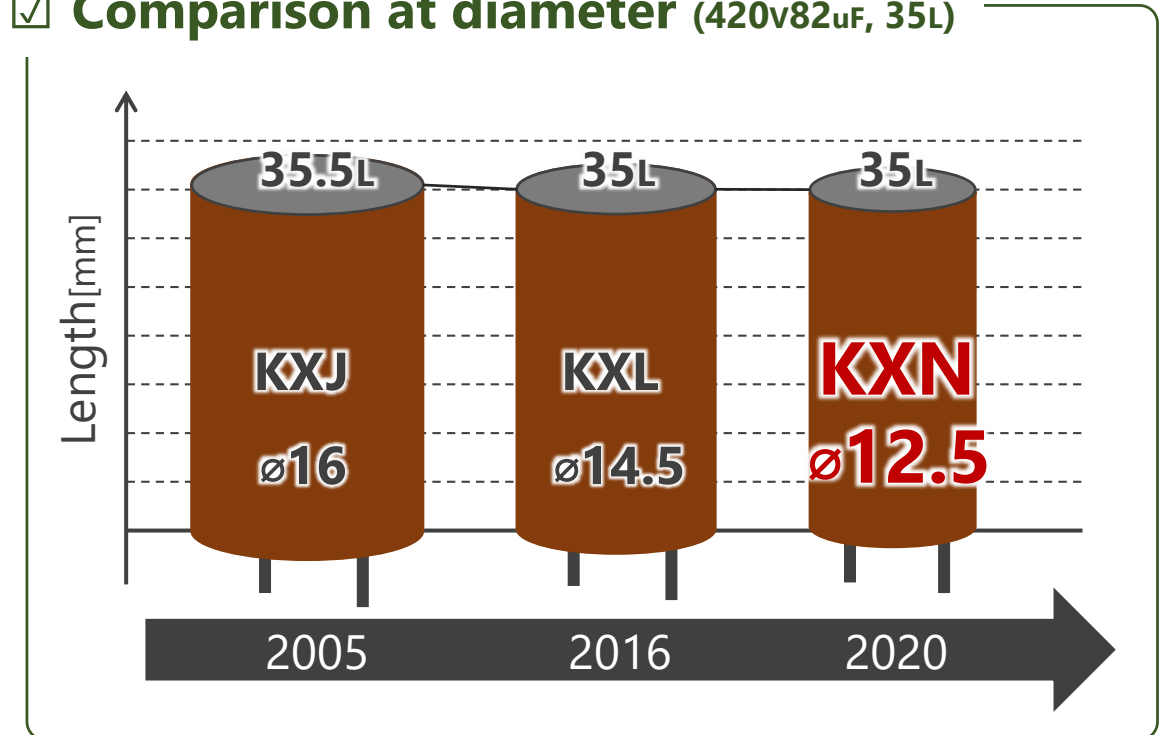
➔ ① **Downsizing** . . . **Equipment downsizing, Low height, Light weight**

② Higher cap. / ③ Higher ripple . . . **Longer equipment life, Reduced # of capacitors**

☑ **Comparison at height (420V27 $\mu$ F,  $\phi$ 12.5)**



☑ **Comparison at diameter (420V82 $\mu$ F, 35L)**



## ● Benefit / Evidence

① Downsizing · · · Equipment downsizing, Low height, Light weight

➔ ② Higher cap. / ③ Higher ripple · · Longer equipment life, Reduced # of capacitors

