Upgrade!!

KYC Series

Radial Lead Type

Aluminum Electrolytic Capacitor

Smoothing output current
Low voltage range

CHEMI-CON

No.U24C081278B

● Feature

- ☑ Endurance: 105℃ 3,000h to 5,000h (With ripple)
- ☑ Voltage: 16 to 120Vdc
- ☑ Capacitance: 68 to 12,000uF
- ☑ Size: Φ10×12.5L to Φ18×40L
- ☑ Higher ripple current than KYB series

● Recommended Application

- ☑ Electric two-wheeled vehicles (Motor drive)
- ☑ For switched-mode power supplies (Smoothing output current)
- ☑ High reliablity usage

● Product Chart

☑ Recommended to replace in KY/KYA/KYB to KYC

*Low Impedance series (Less than 100V, Radial lead type)

KY
- Lower Impedance
- 1,210mArms (25V, Φ10×16L)
- 105℃ 6,000 to 10,000h

Since 2000.10

KYA
- Lower Impedance
- 1,300mArms (25V, Φ10×16L)
- 105℃ 6,000 to 10,000h

Since 2011.10

KYB
- Lower Impedance
- 1,400mArms (25V, Φ10×16L)
- 105℃ 8,000 to 10,000h

Since 2013.03

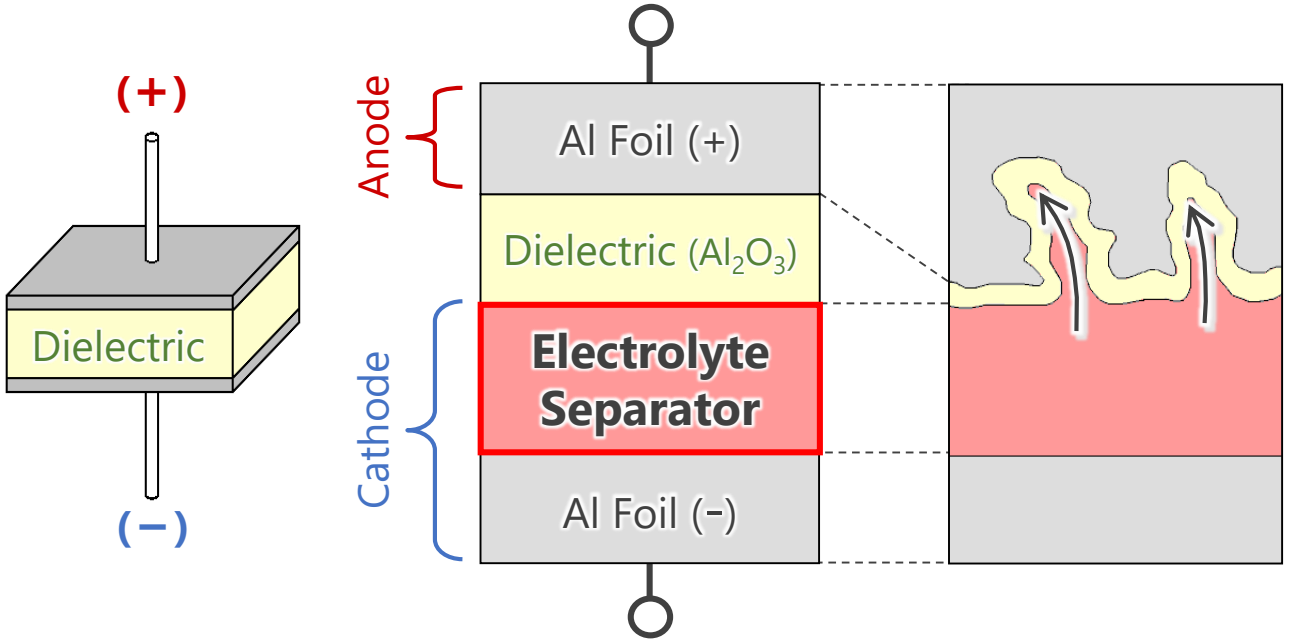
2026.01
Upgrade!

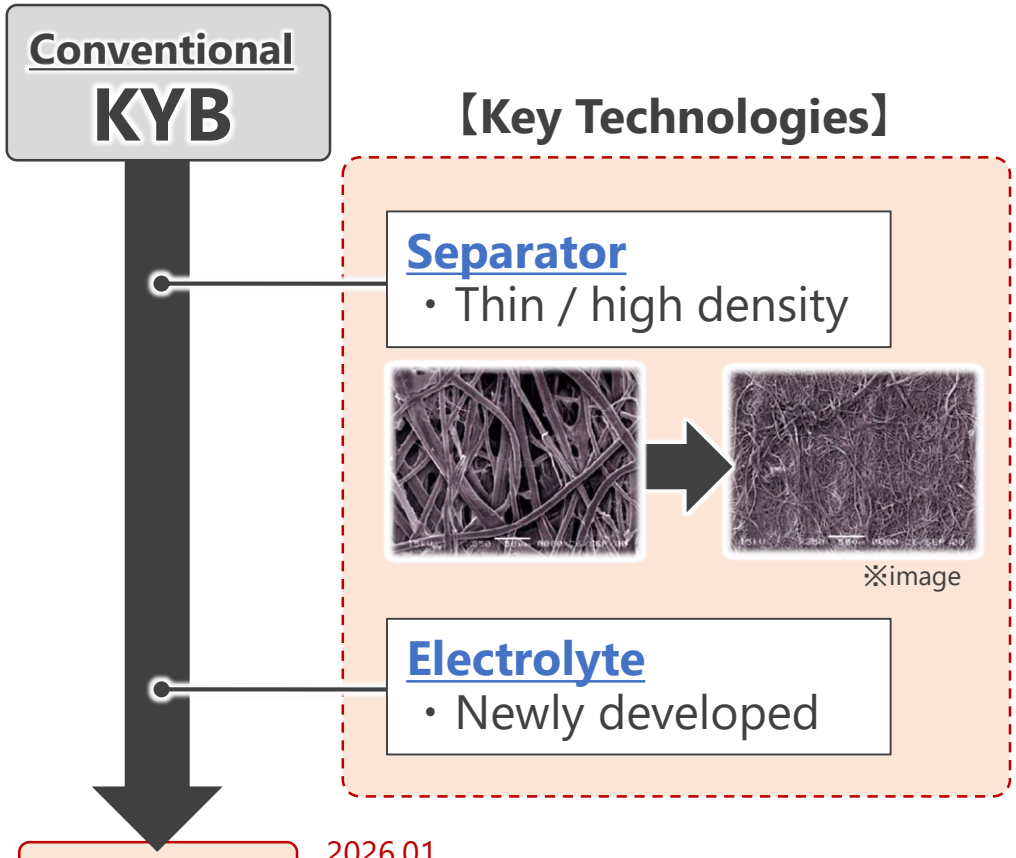
KYC
- **Extended to 120V (for voltage)**
- **Higher ripple Current**
- **1,570mArms (25V, Φ10×16L)**
- **105℃ 3,000 to 5,000h**

Since 2018.07

URL_ https://www.chemi-con.co.jp/

● Advantage





☑ Two advantages from KYB to KYC

①Downsizing

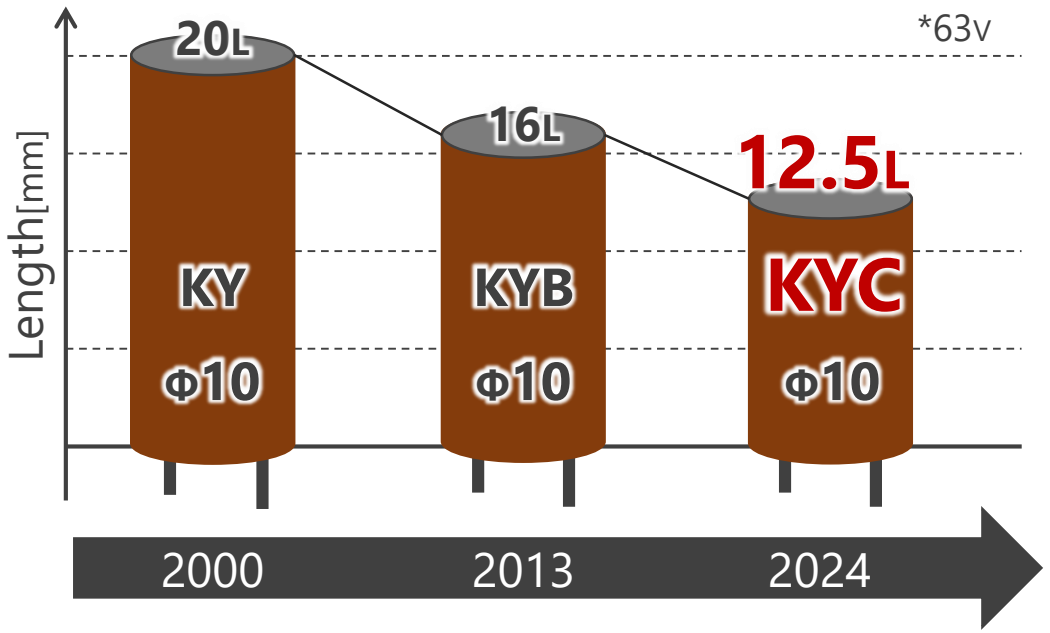
②Higher Capacitance / Ripple current

● Benefit / Evidence

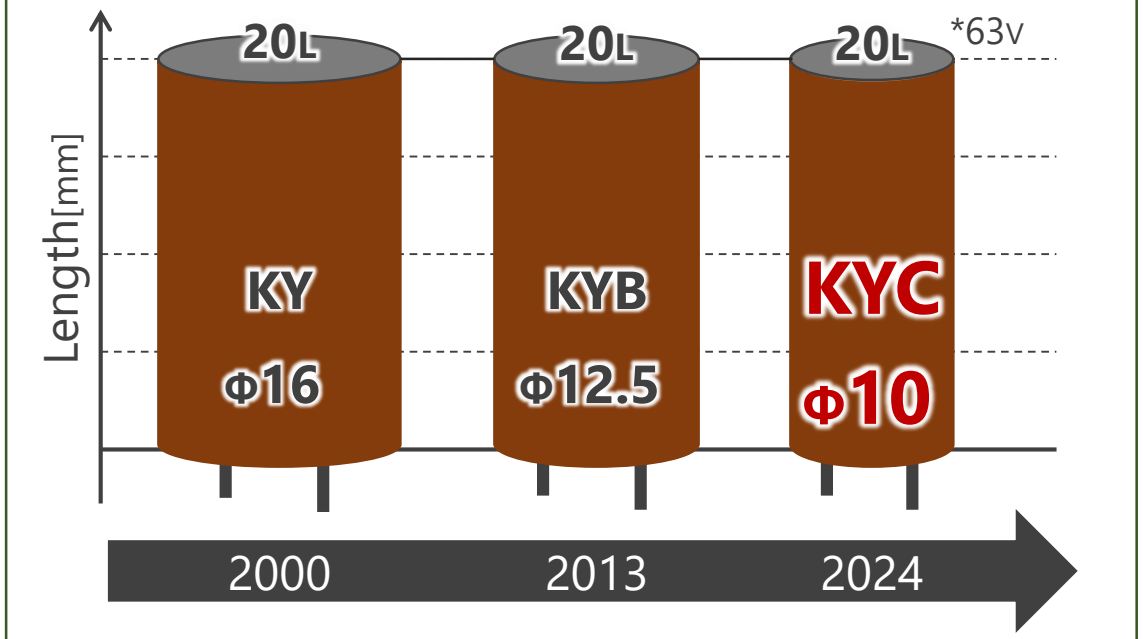
➡ **①Downsizing** ・・・・ **Equipment downsizing , Reduced area occupied by parts**

②Higher cap. / Higher ripple ・・・ Reduced # of capacitors

☑ Comparison at height (fixed ripple, φ10)



☑ Comparison at diameter (fixed ripple, 20L)

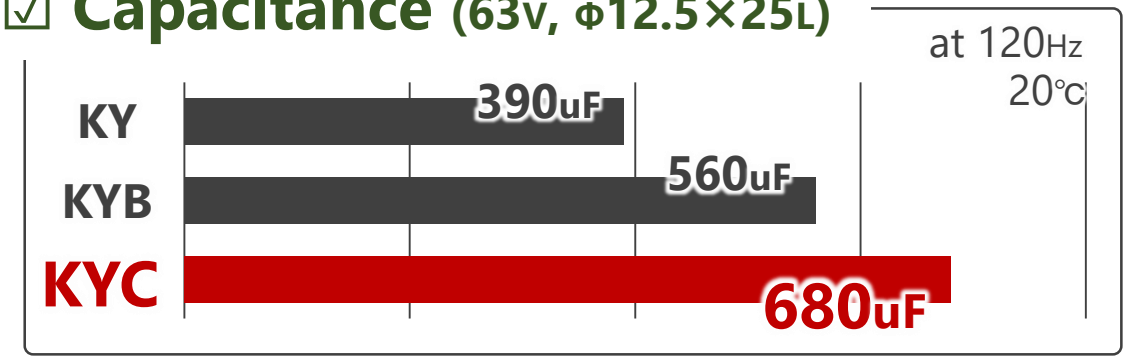


● Benefit / Evidence

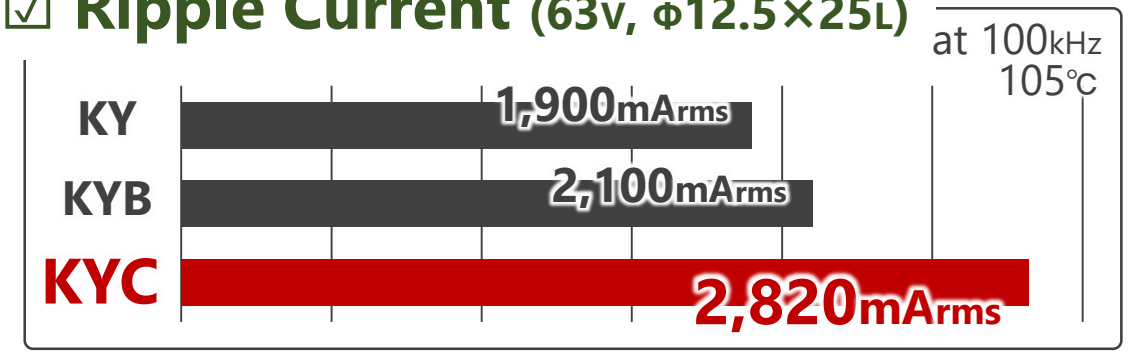
①Downsizing ・・・・ Equipment downsizing , Reduced area occupied by parts

➡ ②Higher cap. / Higher ripple ・・・ Reduced # of capacitors

☑ Capacitance (63V, Φ12.5×25L)



☑ Ripple Current (63V, Φ12.5×25L)



☑ Reduced area (fixed total ripple)