NEW
LXU Series

Screw Terminal Type
Aluminum Electrolytic Capacitor

Higher Capacitance
Higher Ripple Current

CHEMI-CON
No. U24C080445

● Feature

- ☑ Endurance: 105℃ 5,000h (With Ripple)
- ☑ Voltage: 400Vdc to 450Vdc
- ☑ Capacitance: 2,600uF to 15,000uF
- ☑ Size: Φ63.5×85L to Φ89×190L
- ☑ Higher Capacitance/Ripple current from LXA

● Recommend Application

- ☑ For Inverter that required high ripple current
- ☑ For Inverter General purpose
- ☑ For Inverter for Industrial applications

● Product Chart

☑ Recommended to replace in LXA/LXR to LXU

* 105℃5,000h Higher Ripple

LXA
- 105℃5,000hrs
- Higher ripple
- 22.8Arms/120Hz

(450V10,000uF, Φ89×190L)

Since 1993.03

LXR
- 105℃5,000hrs
- Higher Ripple
- 32.0Arms/120Hz

(450V8,200uF, Φ89×190L)

Since 1998.05

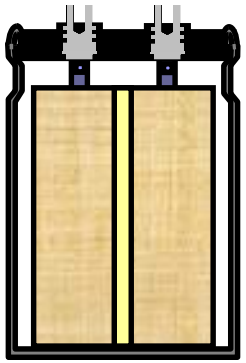
NEW
LXU
- **105℃5,000hrs**
- **Higher Cap. / Higher ripple**
- **40.5Arms/120Hz**

(450V**13,000uF**, Φ89×190L)

Since 2024.06

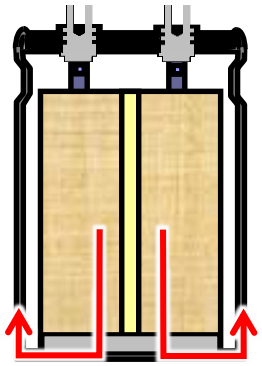
● Advantage

Conventional Structure



Paper

Heat dissipative Structure



Protruding
Cathode foil

☑ **Structure**: Protruding cathode foil on the bottom side

☑ **Case**: Foil directly contact to case (High thermal conductivity)

☑ Two advantage from LXA to LXU

①Higher Capacitance
②Higher Ripple current

Conventional
LXA

【 Key Technologies 】

Al-Foil (－)
・Heat dissipative structure

Al-Foil (＋)
・Low losses foil
(Higher ripple current at 120Hz)

Separator Paper
・Optimized paper

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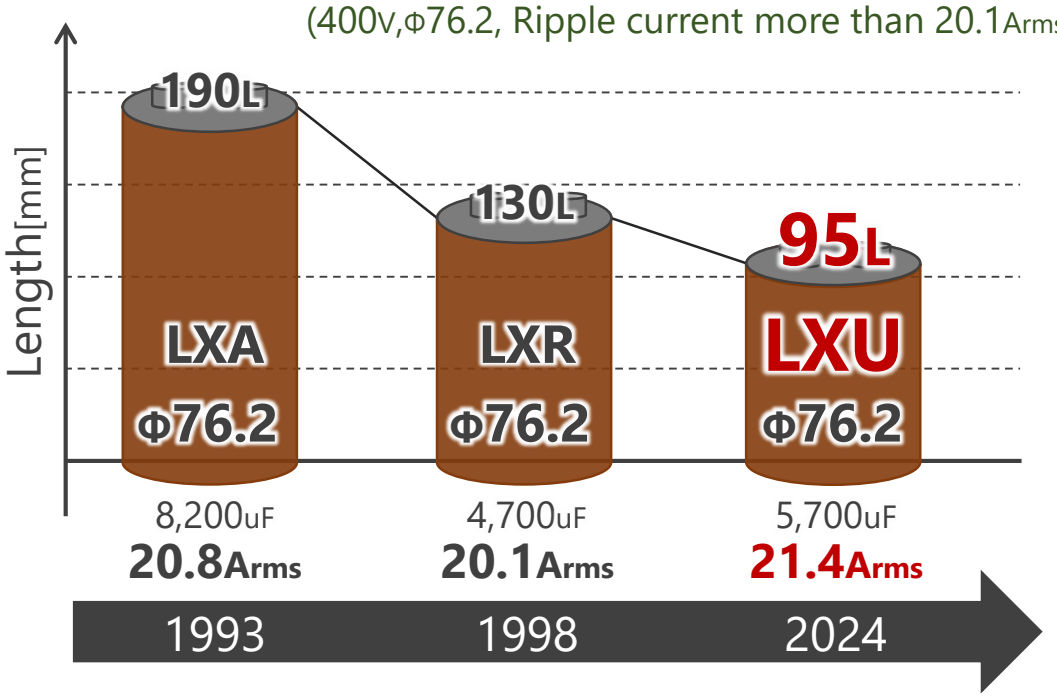
● Benefit/Evidence

➡ ①Higher Capacitance・・・・Reduced # of capacitors, Downsizing, Light Weight

➡ ②Higher Ripple current・・・・Reduced # of capacitors, Longer Lifetime

☑Comparison at height

(400V,Φ76.2, Ripple current more than 20.1Arms)

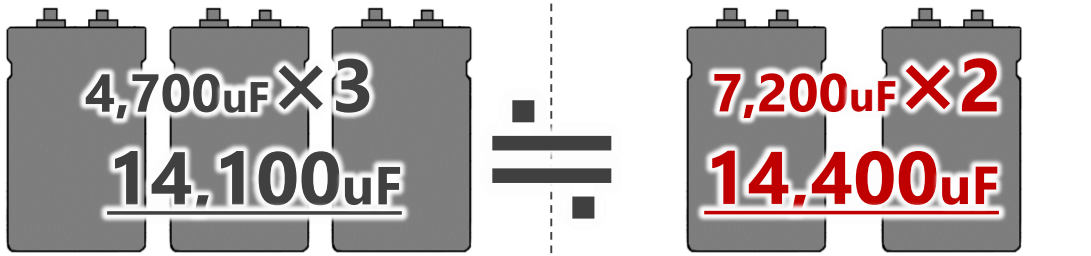


☑Reduced # of capacitors

(400V, Capacitance more than 14,000uF)

LXA
400V 4,700uF (Φ76.2×125L)
13.9Arms/pc

LXU
400V 7,200uF (Φ76.2×125L)
25.4Arms/pc

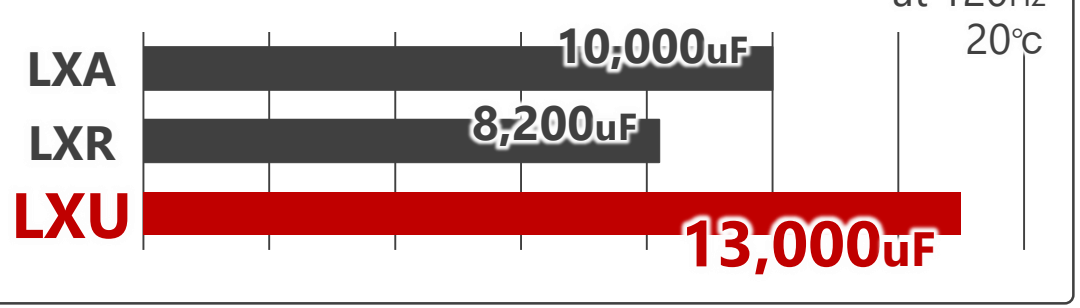


● Benefit/Evidence

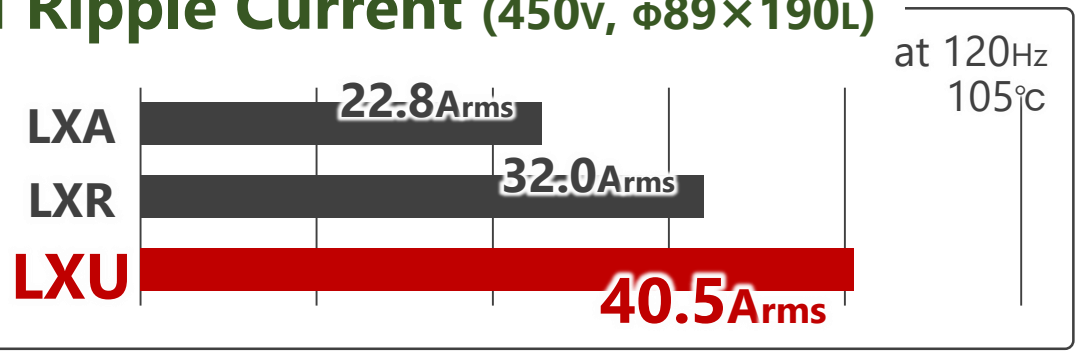
➡ ①Higher Capacitance・・・・Reduced # of capacitors, Downsizing, Light Weight

➡ ②Higher Ripple current・・・Reduced # of capacitors, Longer Lifetime

☑ Capacitance (450V, Φ89×190L)



☑ Ripple Current (450V, Φ89×190L)



☑ Lifetime (450V, Φ89×190L)