NEW
LVA Series

Snap-in Type
Aluminum Electrolytic Capacitor

For Automotive OBC
(Vibration resistance)

CHEMI-CON
No. U21C080986B

● Feature

- ☑ Endurance: 105℃ 5,000h (with ripple)
- ☑ Voltage: 450Vdc
- ☑ Capacitance: 150uF to 890uF
- ☑ Size: Φ25.4×25L to Φ35×60L
- ☑ Vibration resistance structure

● Recommended Application

- ☑ For Automotive OBC (On Board Charger)
- ☑ PFC Circuit
- ☑ High reliability required applications
  - LHS → Customized CST → New series LVA

● Product Chart

☑ Recommended to replace from KMS to KVB

*105℃5,000h with AEC-Q200 compliant

LXS
- 105℃ Standard
- 105℃ 5,000h

Since 2006.04

LHS
- Downsizing
- 105℃ 5,000h

Since 2017.12

NEW KVA
- **Vibration resistance structure**
- **AEC-Q200 compliant**
- **105℃ 5,000h**

Since 2021.07

URL_https://www.chemi-con.co.jp/en/

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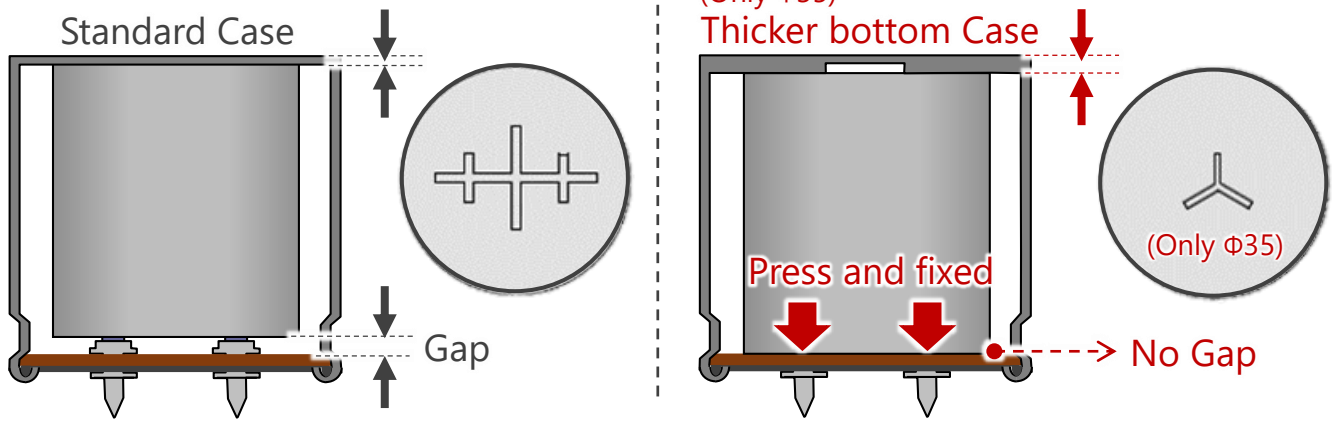
● Advantage

Conventional Structure — NEW Structure



Optimized case structure & Improved fixation

Conventional **LHS** → NEW **LVA**

【 Key Technologies】

Case (Only φ35)
- Vibration resistance

Element fixation
- Press and fixed

Separator
- Optimized thickness & with

☑ Two advantages from LHS to LVA

①High reliability・・・AEC-Q200 compliant

②Line up for automotive

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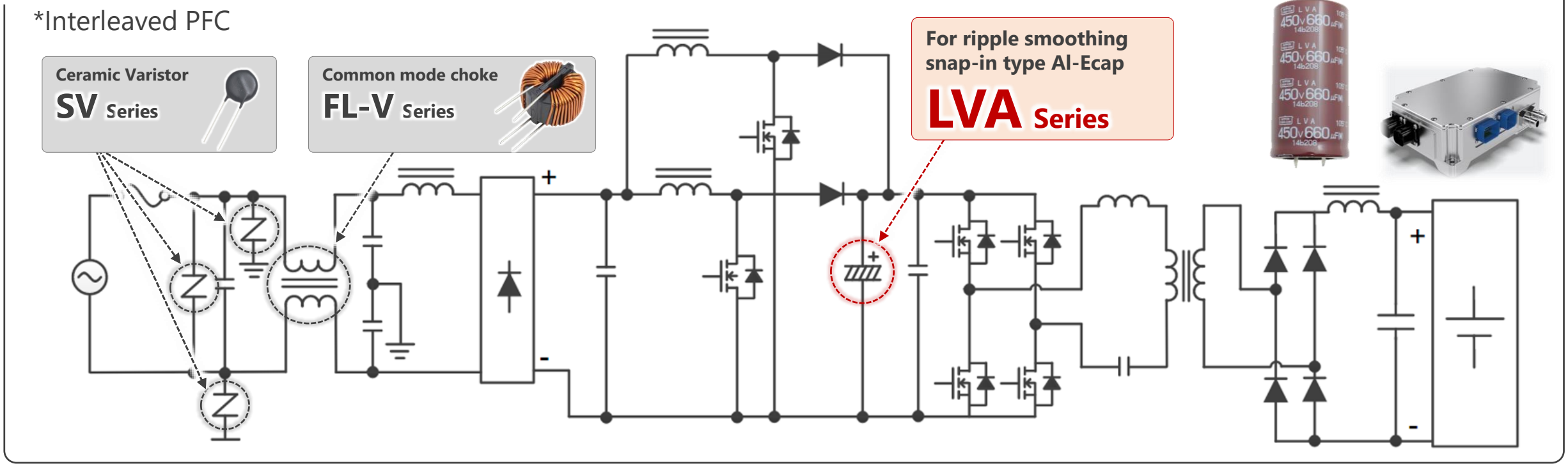
● Benefit/Evidence

➡ ①**High reliability**・・・**Designed for high reliability required application such as automotive**

②**Line up for Automotive**・・・**For ease of selection**

☑ Recommended for automotive On-board charger

*Interleaved PFC



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● Benefit/Evidence

①High reliability・・・Designed for high reliability required application such as automotive

➡ ②Line up for automotive・・・For ease of selection

☑ AEC-Q200 compliant

AEC-Q200 **LVA** Improved strength for vibration

● JIS Vibration

- ☑ Acceleration: 0.75mm half amplitude or 10G (Whichever is less severe)
- ☑ Frequency range: 10 to 55Hz
- ☑ Sweep time: 1min (round trip)
- ☑ Direction & period of motion: 2hrs in each of X, Y, Z direction

➡

● AEC-Q200 vibration

- ☑ Acceleration: 5G
- ☑ Frequency range: 10 to 2,000Hz
- ☑ Sweep time: 20min (round trip)
- ☑ Direction & period of motion: 4hrs in each of X, Y, Z direction

Upon your requests,
We could provide the AEC-Q200 test results.

☑ Ease of selection

Longer Lifetime

AEC-Q200 **KVA** 105℃2,000h — 970uF (450V, Φ35×60L)

AEC-Q200 **KVB** 105℃3,000h — 920uF (450V, Φ35×60L)

AEC-Q200 **LVA** 105℃5,000h — **890uF** (450V, Φ35×60L)

Higher Capacitance

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