NEW
KVA Series

Snap-in Type
Aluminum Electrolytic Capacitor

For Automotive OBC
(Vibration resistance)

CHEMI-CON
No. U21C080984B

● Feature

- ☑ Endurance: 105℃ 2,000h (with ripple)
- ☑ Voltage: 450Vdc
- ☑ Capacitance: 160uF to 970uF
- ☑ Size: Φ25.4×25L to Φ35×60L
- ☑ Vibration resistance structure

● Recommended Application

- ☑ For automotive OBC (On Board Charger)
- ☑ PFC Circuit
- ☑ High reliability required applications

KMW —Customized CST→ New series KVA

● Product Chart

☑ Recommended to replace from KMW to KVA

*105℃2,000h with AEC-Q200 compliant

KMR
- 105℃ Standard
- 105℃ 2,000h

Since 2005.12

KMW
- Downsizing
- 105℃ 2,000h

Since 2012.07

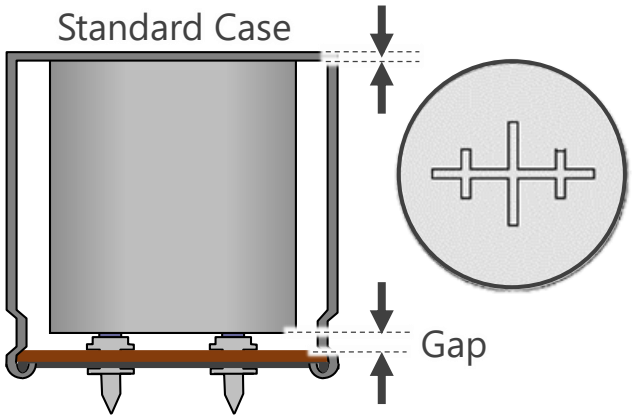
NEW KVA
- **Vibration resistance structure**
- **AEC-Q200 compliant**
- **105℃ 2,000h**

Since 2021.07

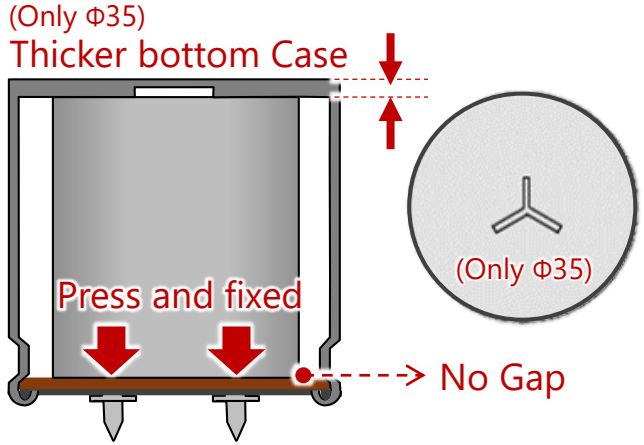
URL_https://www.chemi-con.co.jp/en/

● Advantage

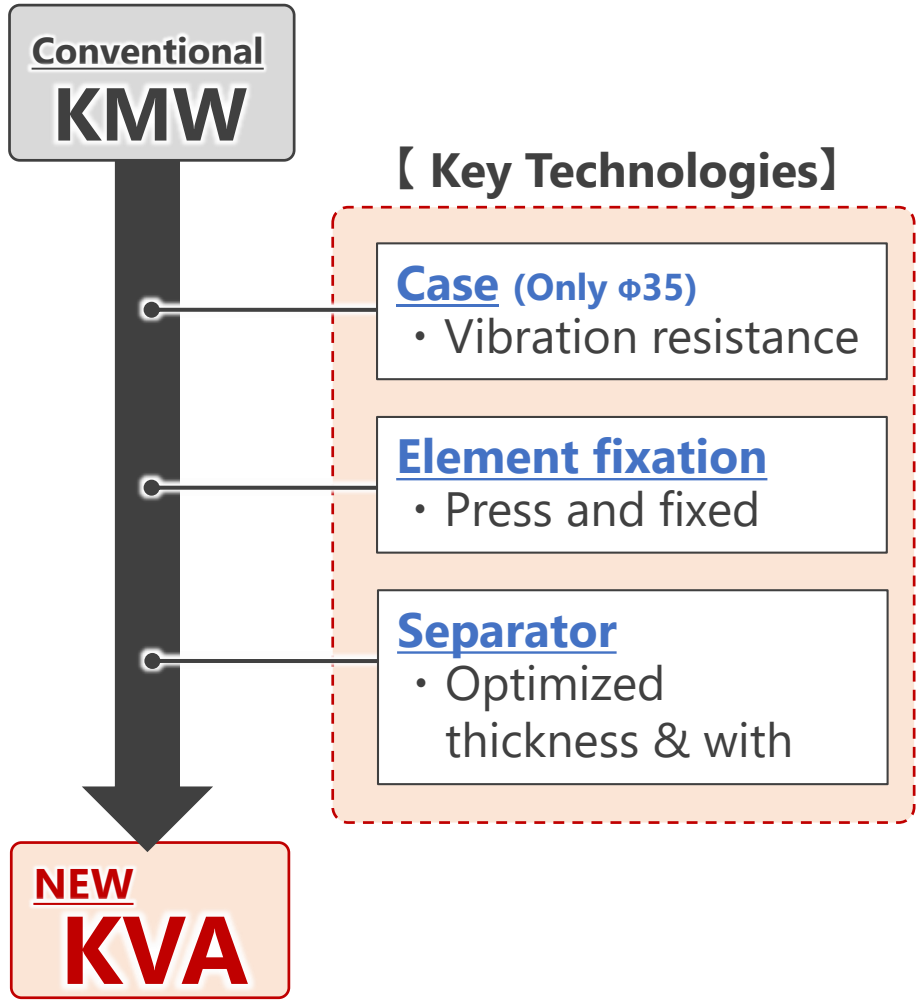
Conventional Structure



NEW Structure



Optimized case structure & Improved fixation



☑ Two advantages from KMW to KVA

①**High reliability** ・・・**AEC-Q200 compliant**

②**Line up for automotive**

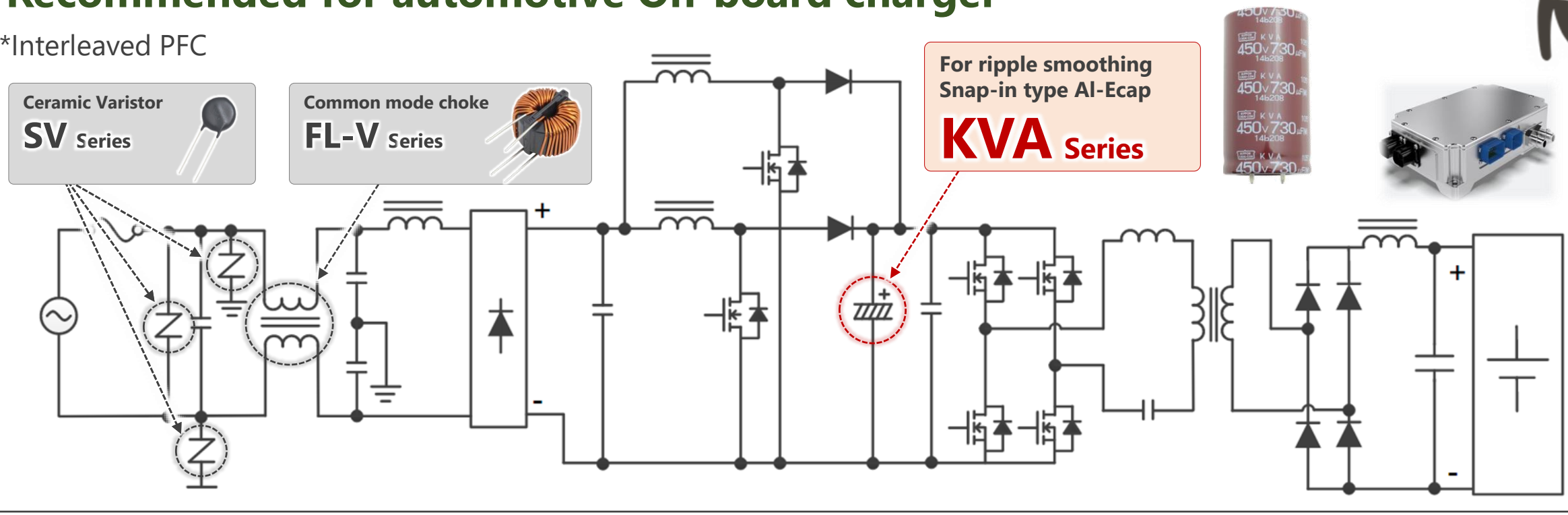
● Benefit/Evidence

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

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

☑ Recommended for automotive On-board charger

*Interleaved PFC



● 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 **KVA** 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