

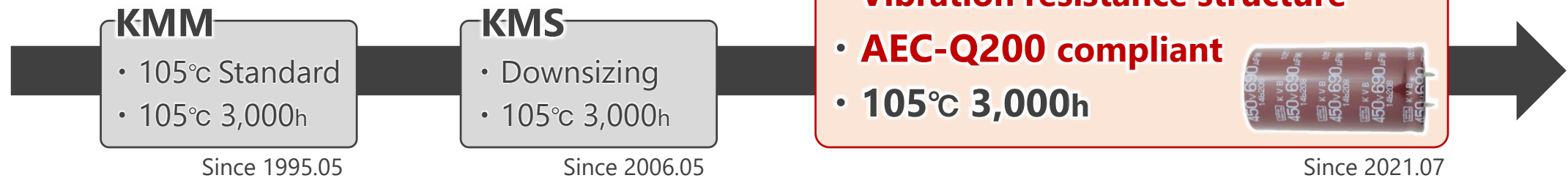
## ● Feature

- ☑ Endurance: **105°C 3,000h** (with ripple)
- ☑ Voltage: 450V<sub>dc</sub>
- ☑ Capacitance: 150<sub>uF</sub> to 920<sub>uF</sub>
- ☑ Size:  $\phi 25.4 \times 25L$  to  $\phi 35 \times 60L$
- ☑ Vibration resistance structure

## ● Product Chart

- ☑ **Recommended to replace from KMS to KVB**

\*105°C3,000h with AEC-Q200 compliant

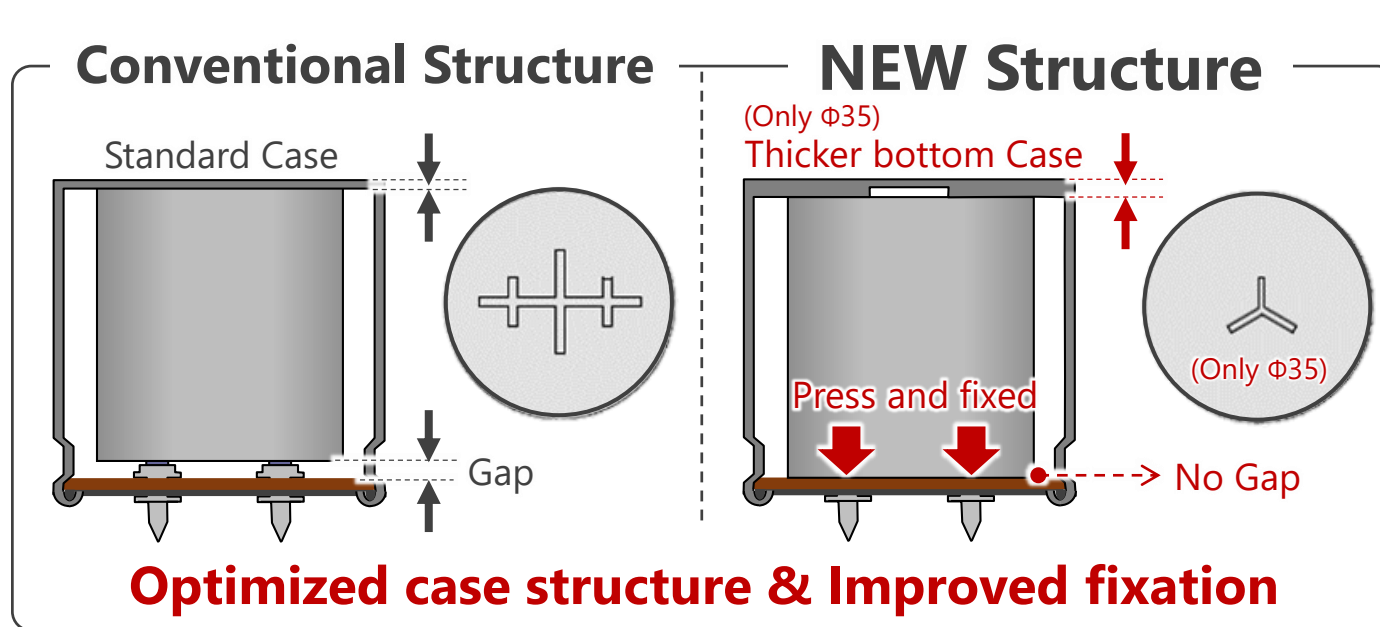


## ● Recommended Application

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



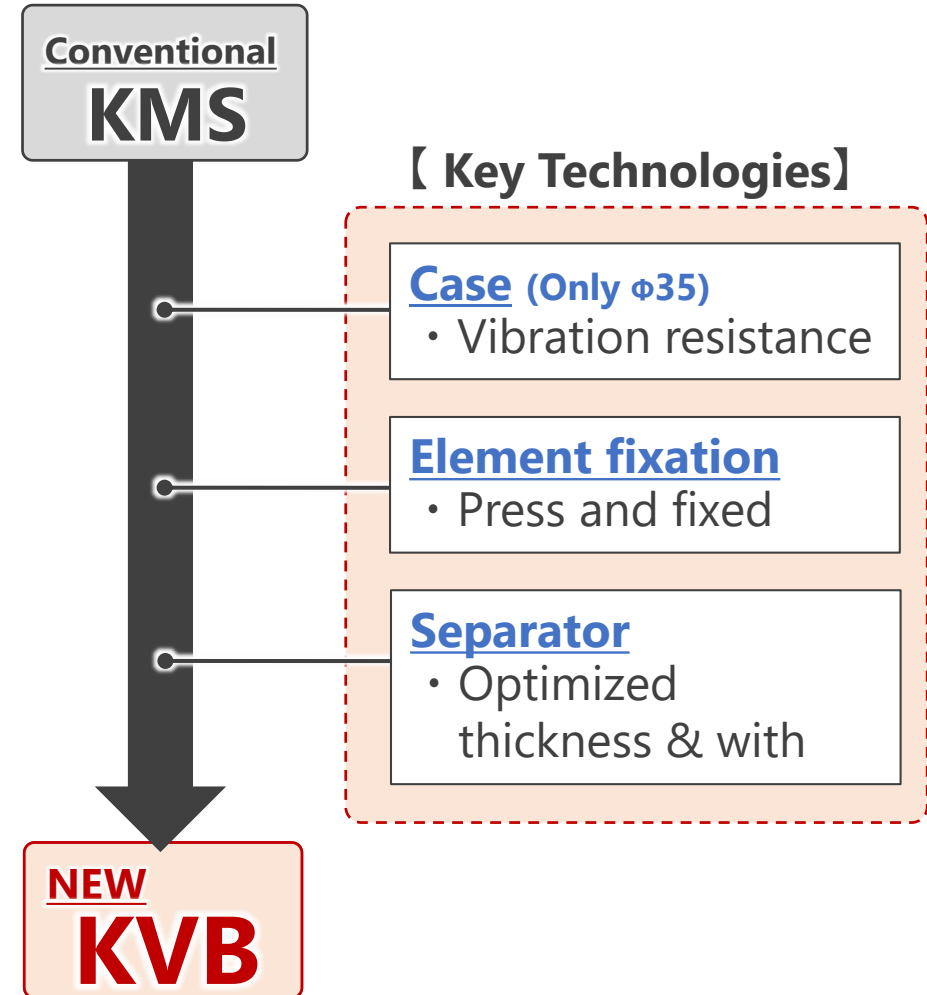
● Advantage



✓ Two advantages from KMS to KVB



- ① **High reliability** . . . AEC-Q200 compliant
- ② **Line up for automotive**



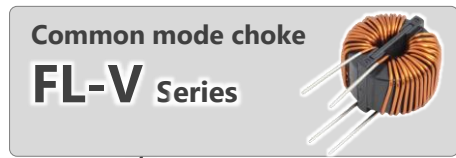
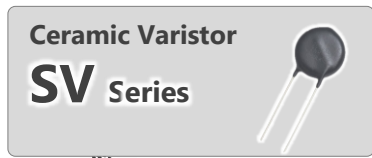
## ● Benefit/Evidence

- ➔ ① **High reliability** . . . Designed for high reliability required application such as automotive
- ② Line up for automotive . . . For ease of selection

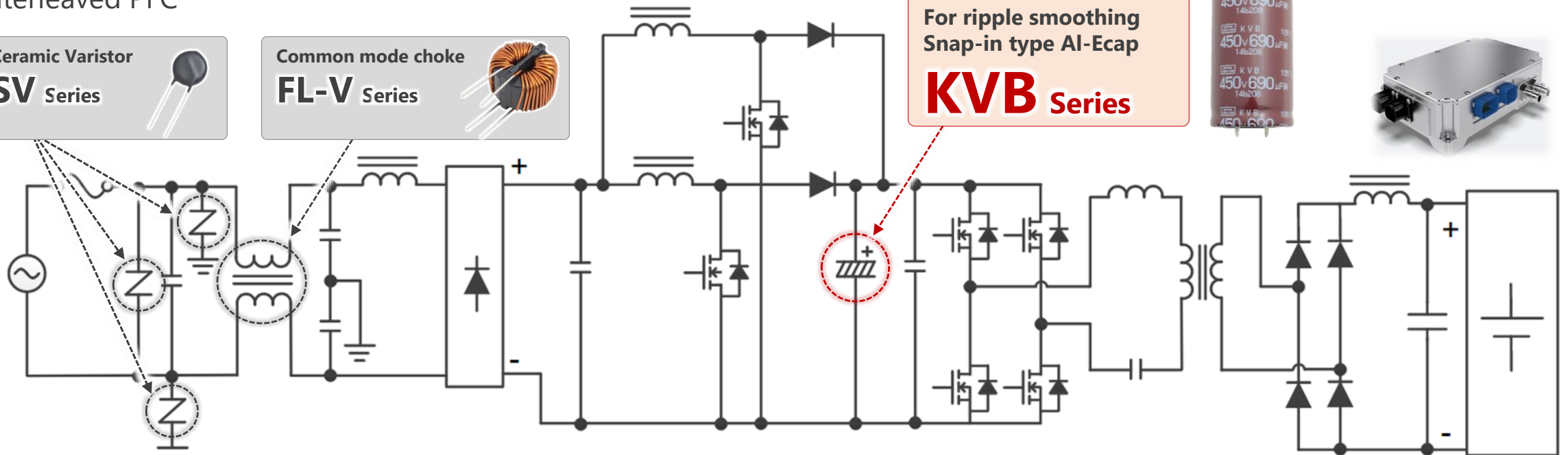


## ☑ Recommended for automotive On-board charger

\*Interleaved PFC



For ripple smoothing  
Snap-in type Al-Ecap  
**KVB Series**



● **Benefit/Evidence**

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

➔ ② **Line up for automotive** · · · **For ease of selection**



☑ **AEC-Q200 compliant**

**KVB** <sup>AEC-Q200</sup> 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**

	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>KVA</b> <sup>AEC-Q200</sup> 105°C2,000h         </div>	970µF (450V, φ35×60L)	
	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>KVB</b> <sup>AEC-Q200</sup> 105°C3,000h         </div>	<b>920µF</b> (450V, φ35×60L)	
	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>LVA</b> <sup>AEC-Q200</sup> 105°C5,000h         </div>	890µF (450V, φ35×60L)	