

● Feature

- ☑ Endurance: **85°C 2,000h** (with Ripple)
- ☑ Voltage: **575V_{dc} to 700V_{dc}**
- ☑ Capacitance: 1,000 μ F to 5,600 μ F
- ☑ Size: $\phi 63.5 \times 70L$ to $\phi 89 \times 155L$
- ☑ **Higher voltage than RWE Series**

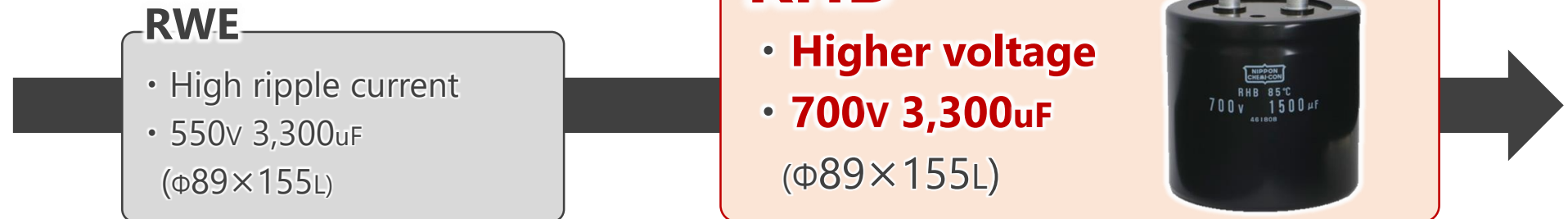
● Recommend Application

- ☑ High energy required application
- ☑ Power supply for welding machine
- ☑ Power supply for X-Ray
- ☑ High voltage pulse power supply

● Product Chart

- ☑ **Recommended to replace from RWE 2pcs in series to RHB 1pc.**

*Line up for higher voltage (85°C2,000h)



RWE

- High ripple current
- 550v 3,300 μ F
- ($\phi 89 \times 155L$)

Since 1989

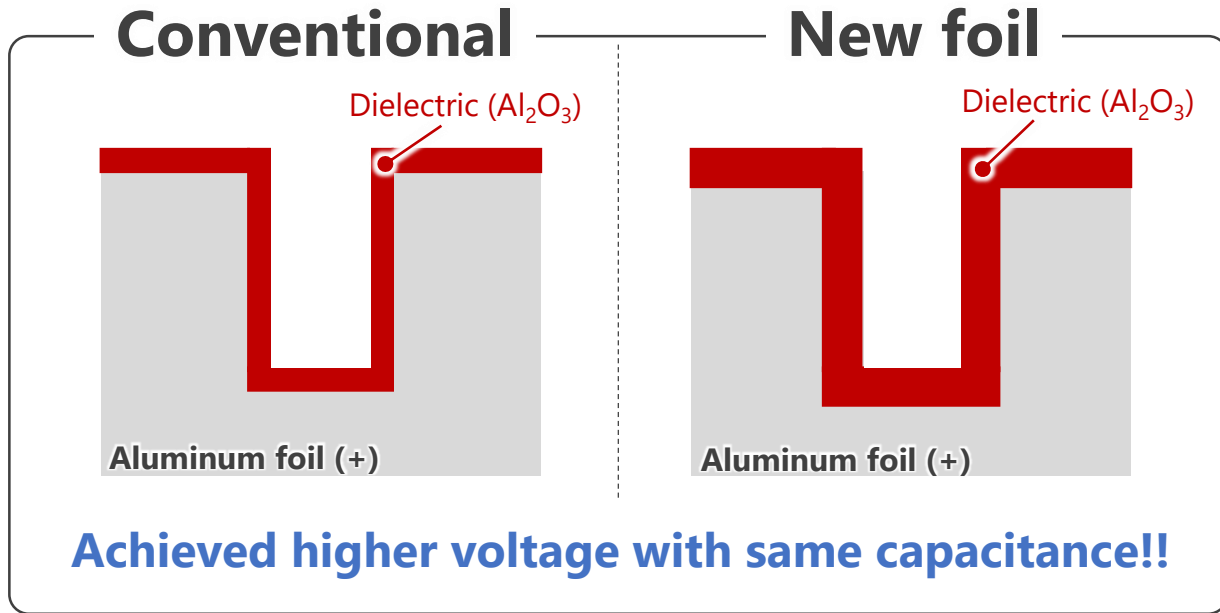
RHB

- **Higher voltage**
- **700v 3,300 μ F**
- ($\phi 89 \times 155L$)

Since 2017.11



● Advantage



Conventional
RWE

【 Key Technologies 】

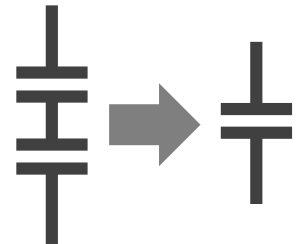
Aluminum foil (+)

- Adopted super high voltage foil

Electrolyte

- Adopted higher voltage technology

Higher voltage
RHB



✓ Two advantage from RWE to RHB



- ① **Higher Voltage** · · · 2pcs series to 1pc, or replace from Film cap.
- ② **Reduced number in series** · · · Space saving, remove balance resistance

● Benefit/Evidence

➔ ① Higher Voltage . . . 2pcs series to 1pc, or replace from Film cap.

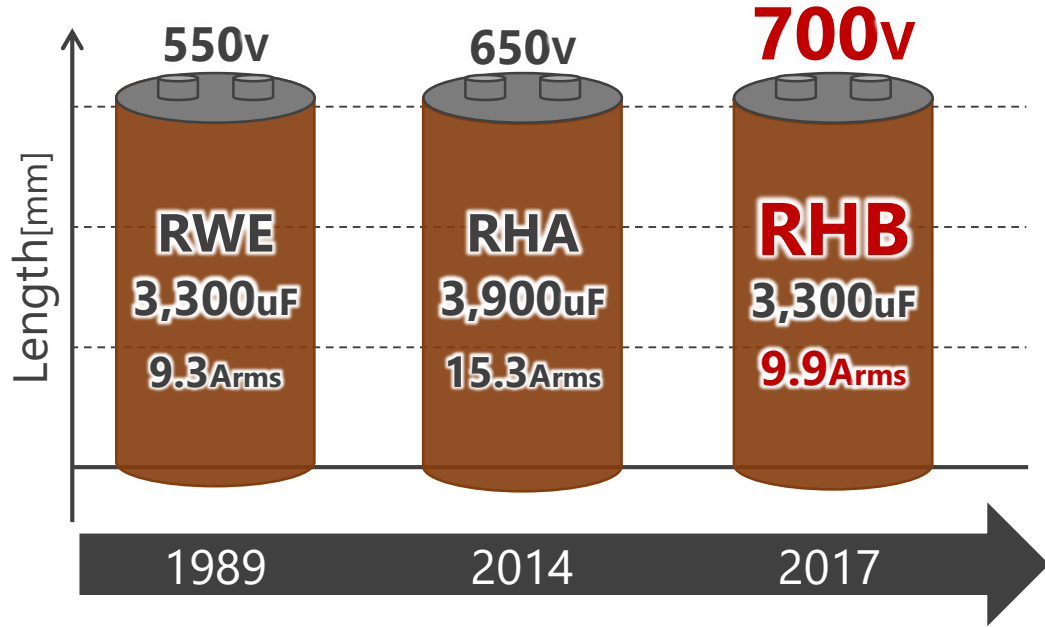
② Reduced number in series . . . Space saving, remove balance resistance



☑ Comparison by voltage

(φ89×155L, 85°C2,000hrs)

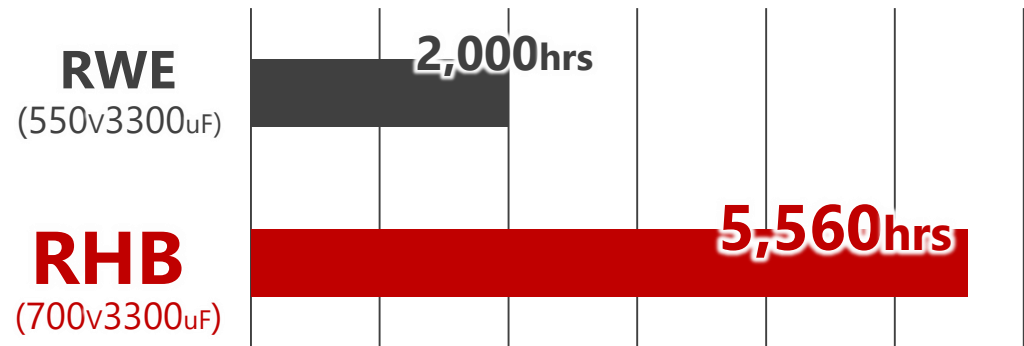
* RHA: 85°C5,000hrs



☑ Comparison by endurance

● Condition

- Applied voltage: 550Vdc
- Ambient temp: 85°C
- Ripple current: 9.3Arms/120Hz



● Benefit/Evidence

① Higher Voltage . . . 2pcs series to 1pc, or replace from Film cap.

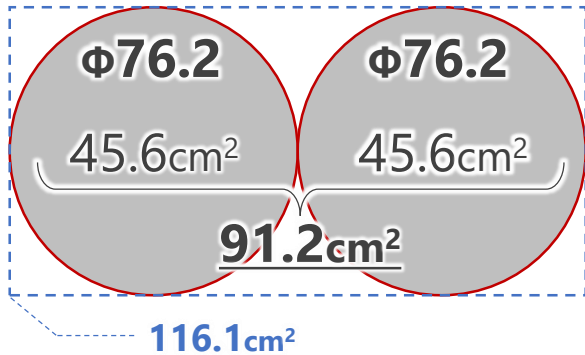
➔ ② **Reduced number in series** . . . **Space saving, remove balance resistance**



☑ Reduce area (350v×2s vs 700v)

RWE × 2pcs

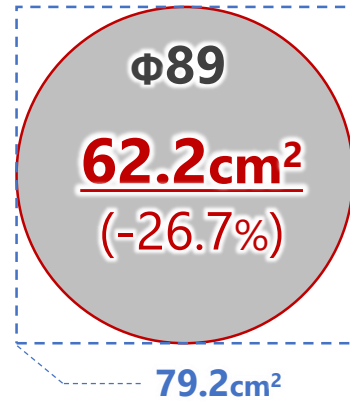
350V 6,800uF (φ76.2×130L)×2pcs
⇒700V, 3,400uF (15.9Arms)



1989

RHB × 1pc

700V 3,300uF (φ89×155L)
9.9Arms/pc

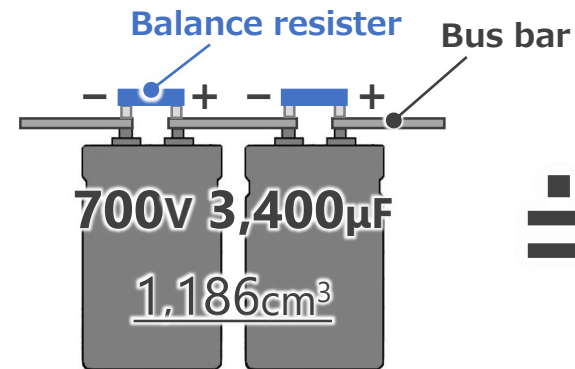


2017

☑ Reduce volume/number (350v×2s vs 700v)

RWE × 2pcs

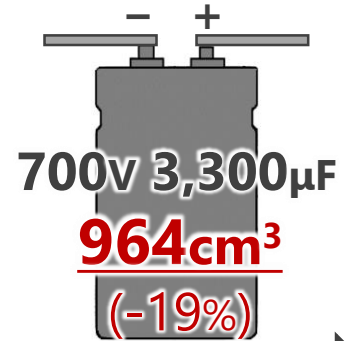
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⇒700V, 3,400uF (15.9Arms)



1989

RHB × 1pc

700V 3,300uF (φ89×155L)
9.9Arms/pc



2017