Upgrade!!

HXC Series

SMD Type Conductive Polymer Hybrid Aluminum Electrolytic Capacitor

Higher Ripple Current
Super low ESR

CHEMI-CON

No. U23M080010

● Feature

- ☑ Endurance: 125℃ 4,000h (with ripple)
- ☑ Voltage: 16Vdc to 80Vdc
- ☑ Capacitance: 6.8uF to 560uF
- ☑ Size: Φ5×5.8L to Φ10×12.5L
- ☑ Bias humidity: 85℃/85%RH 2,000h

● Recommended Application

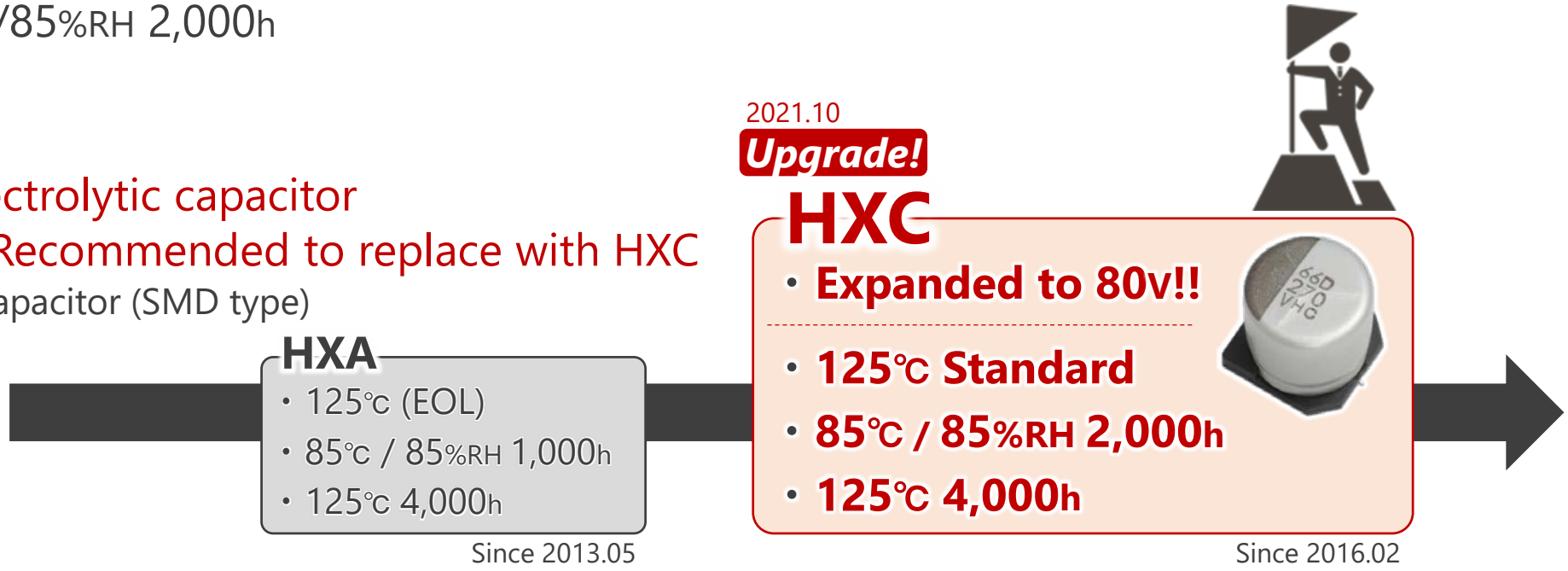
- ☑ Entry series for hybrid capacitors
- ☑ High temperature / High reliablity usage
- ☑ Automotive
- ☑ 48V power supplies (Base station)

● Product Chart

☑ HXA/Aluminum electrolytic capacitor

⇒ Recommended to replace with HXC

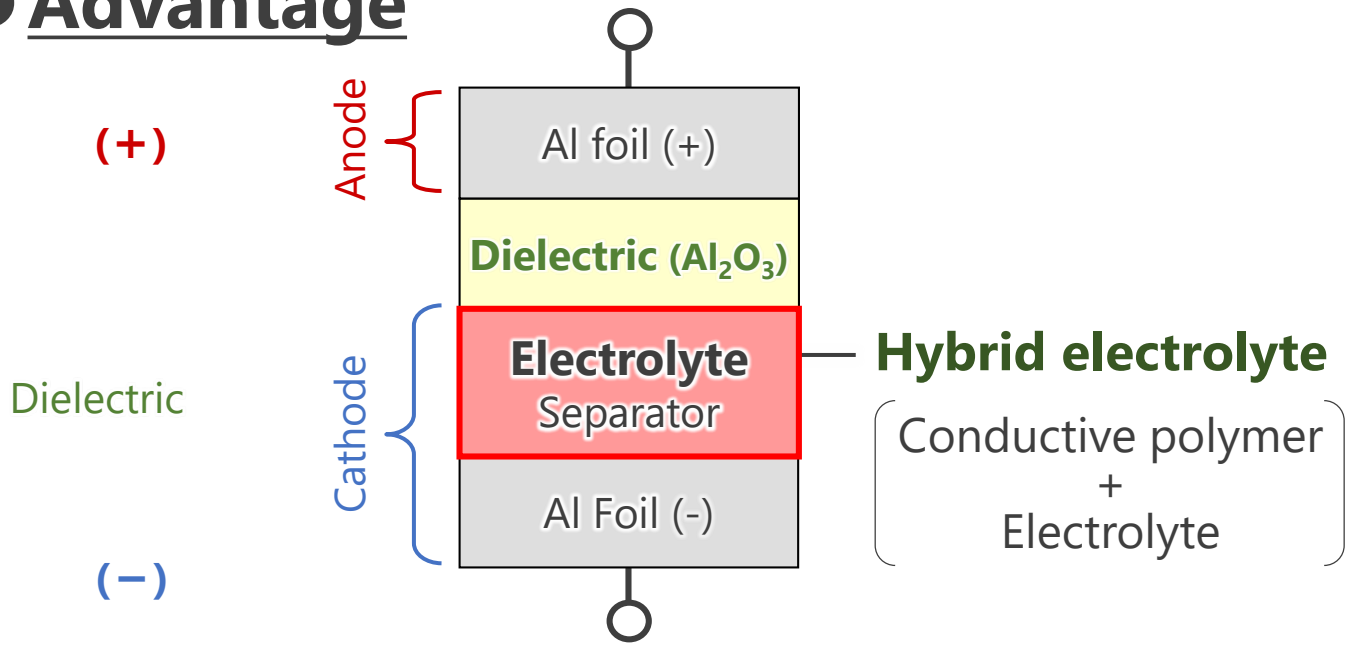
*Line up for 125℃ hybrid capacitor (SMD type)

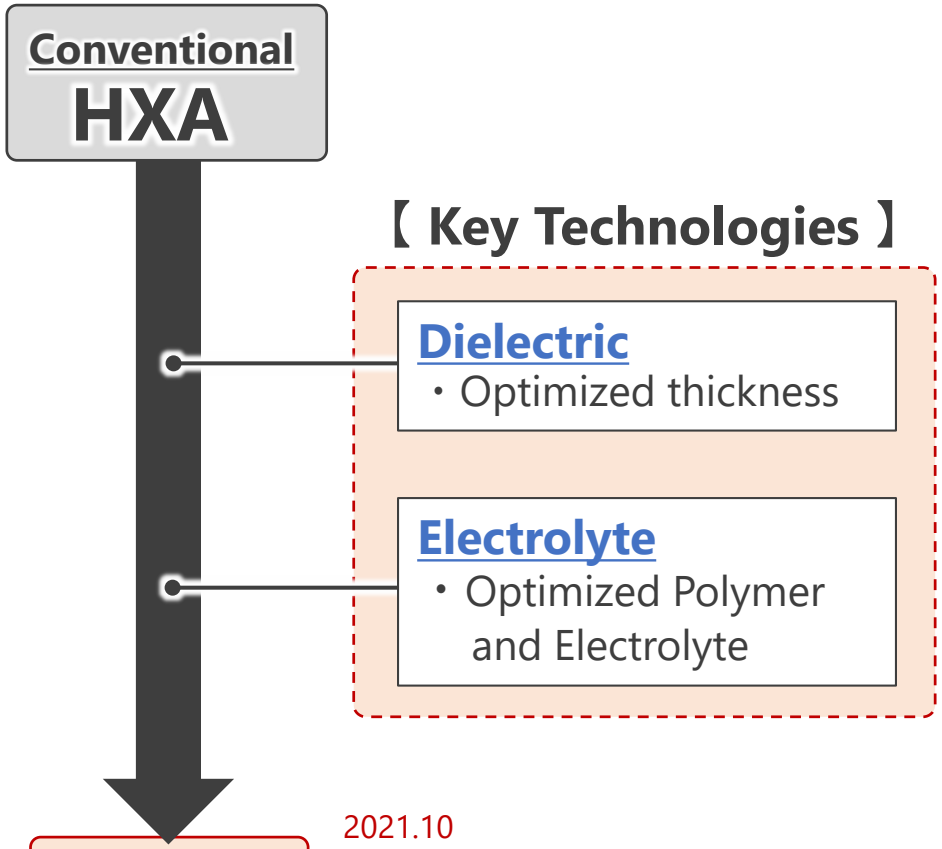


URL_ https://www.chemi-con.co.jp/

Copyright 2023 Nippon Chemi-Con Corporation

● Advantage





☑ Three advantage of HXC

①Super low ESR
②Wear-out failure (Open Circuit & Safety)
③Higher ripple current

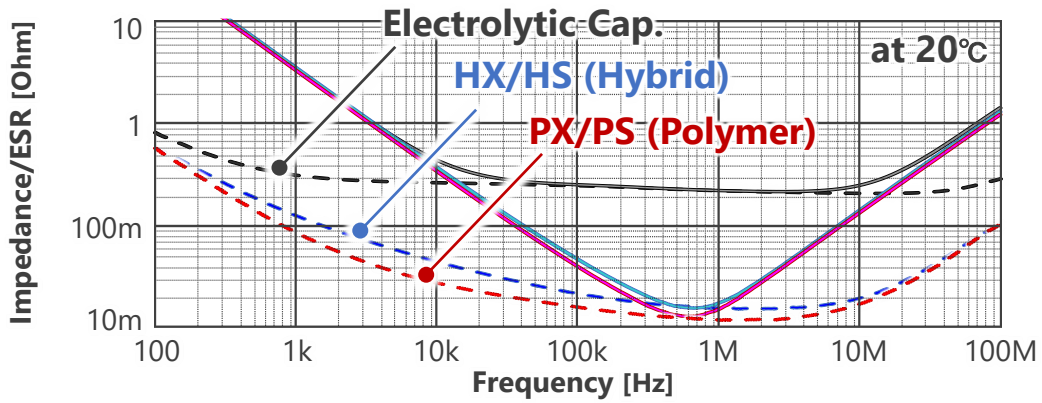
Copyright 2023 Nippon Chemi-Con Corporation

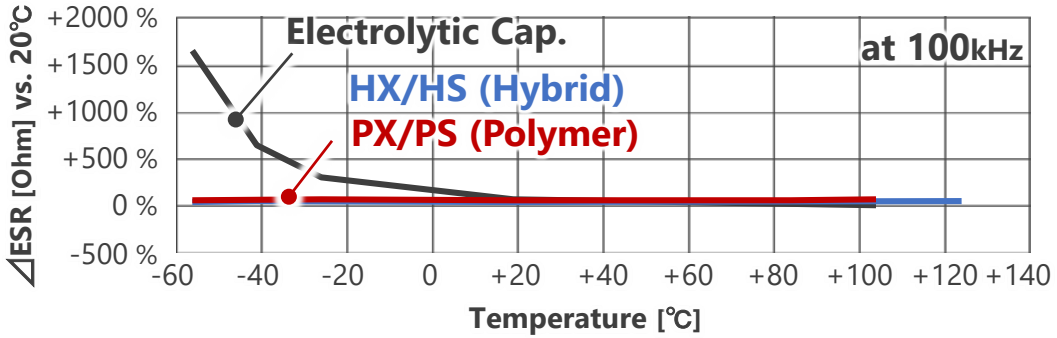
● Benefit/Evidence

➡ ①Super low ESR / ②Wear-out failure (Open circuit & Safety)

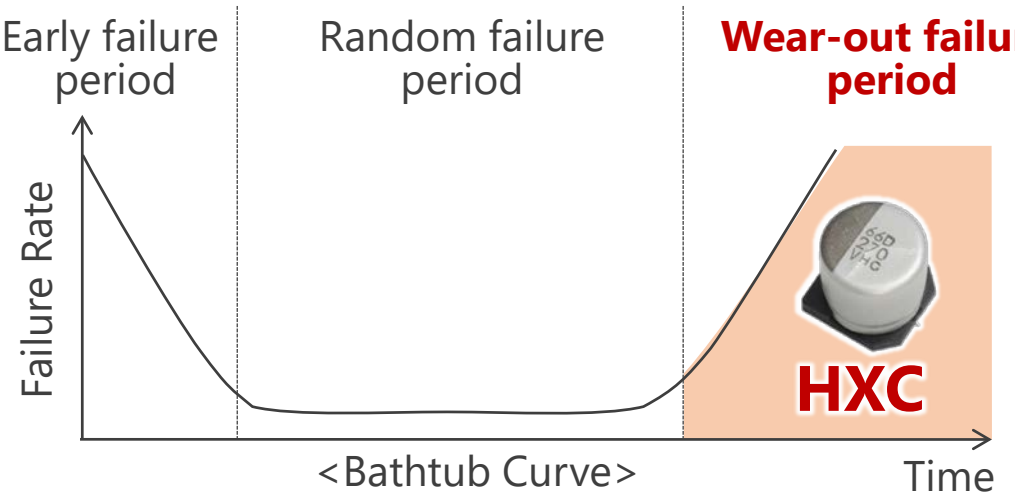
③Higher ripple current・・・Equipment downsizing, Reduced area occupied by parts

☑ Super low ESR 35V47uF, Φ6.3×6.8L





☑ Wear-out failure (Safety)



● **HXC is not random failure product, but Wear-out failure product.**

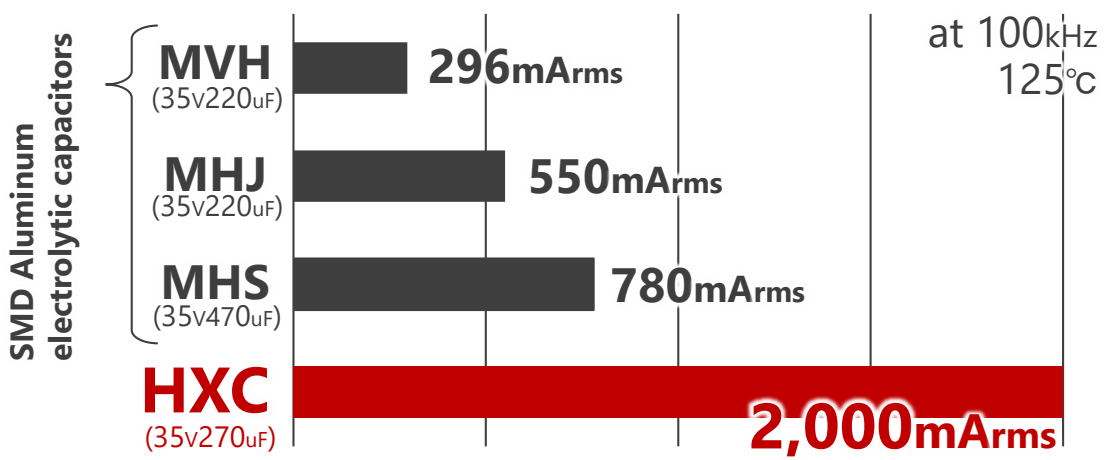
Copyright 2023 Nippon Chemi-Con Corporation

● Benefit/Evidence

①Super low ESR / ②Wear-out failure (Open circuit & Safety)

➡ ③Higher ripple current・・・Equipment downsizing, Reduced area occupied by parts

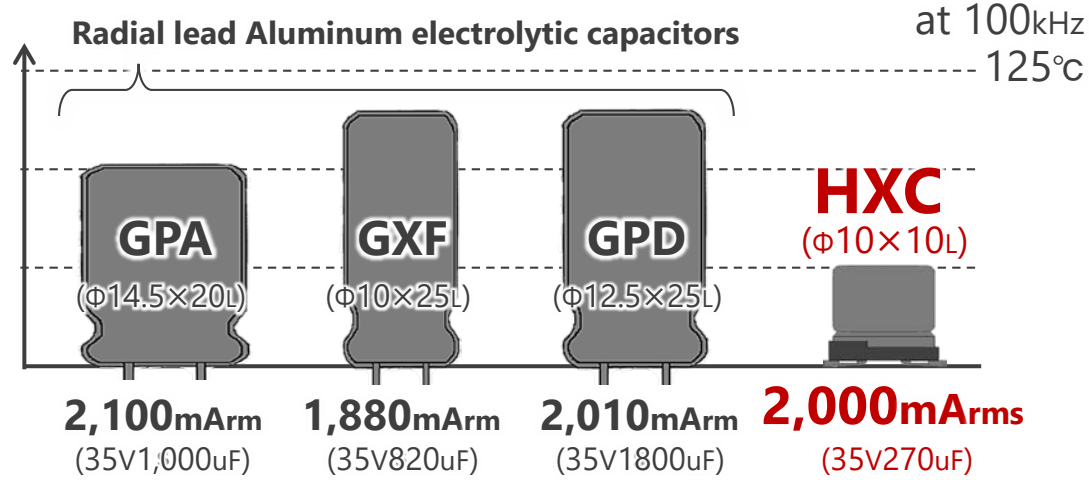
☑ Downsizing (SMD type, 125℃, 35V, Φ10×10L)



● Replacement advantage to hybrid capacitors

- Reduced # of capacitors
- PCB space saving
- Improved low temp. ESR
- Longer equipment life

☑ Downsizing (Lead type, Fixed ripple current)



● Replacement advantage to hybrid capacitors

- Equipment downsizing
- PCB space saving
- Improved low temp. ESR
- Reflow mounting

Copyright 2023 Nippon Chemi-Con Corporation