Upgrade!!

HXF Series

SMD Type **Conductive Polymer Hybrid Aluminum Electrolytic Capacitor**

High heat resistance
Super low ESR

CHEMI-CON

No. U20M080136C

● Feature

- ☑ Endurance: 135℃ 4,000h (with ripple)
- ☑ Voltage: 25Vdc to 63Vdc
- ☑ Capacitance: 33uF to 560uF
- ☑ Size: Φ8×10L to Φ10×16.5L
- ☑ Bias humidity: 85℃/85%RH 2,000h
- ☑ Guranteed short time operating temp. 150℃
  (150℃300h+135℃3,000h)

● Recommend Application

- ☑ For high temperature / High reliablity usage
- ☑ For automotive (Ex. DC-LINK)
- ☑ For power supplies (Base station)

● Product Chart

☑ Recommenended to replace in HXC/HXE to HXF

*Lineup for high heat resistance/super low ESR (SMD type)

HXC
- 125℃ Standard
- 6.8uF to 560uF
- 125℃ 4,000h

Since 2016.02

HXE
- 135℃ Standard
- 22uF to 560uF
- 135℃ 4,000h

Since 2017.11

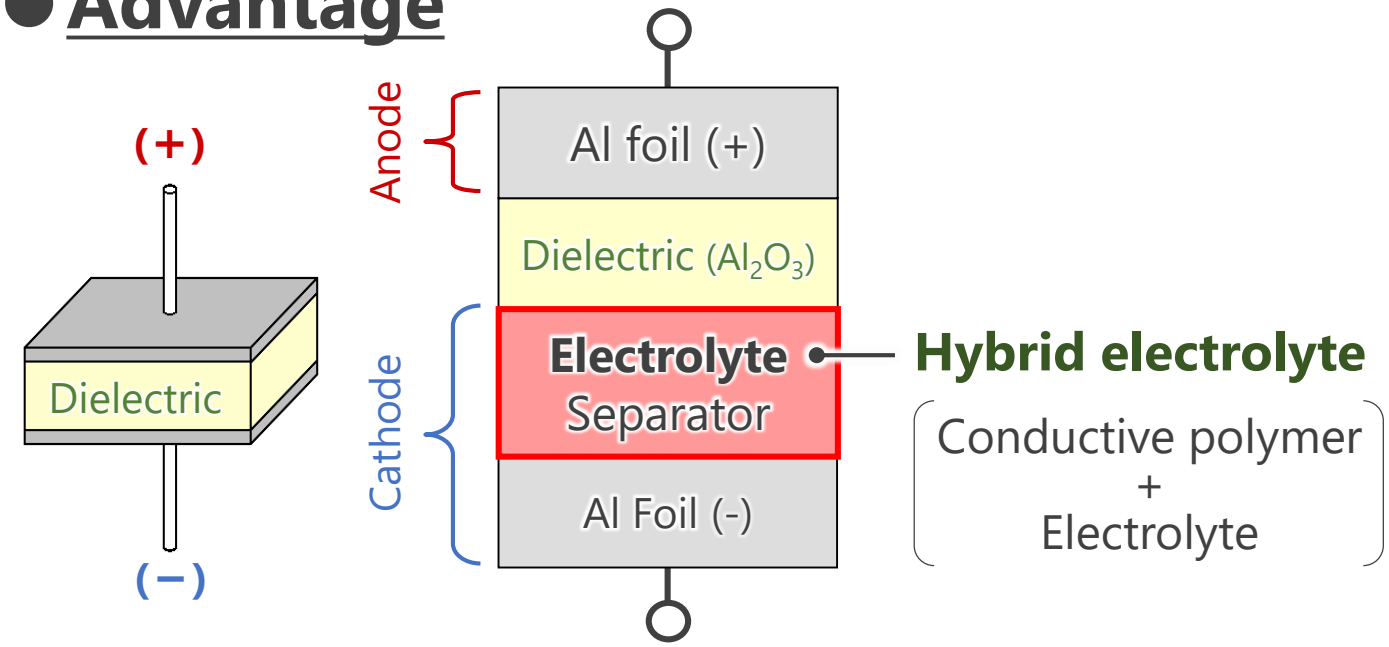
2022.08
Upgrade!

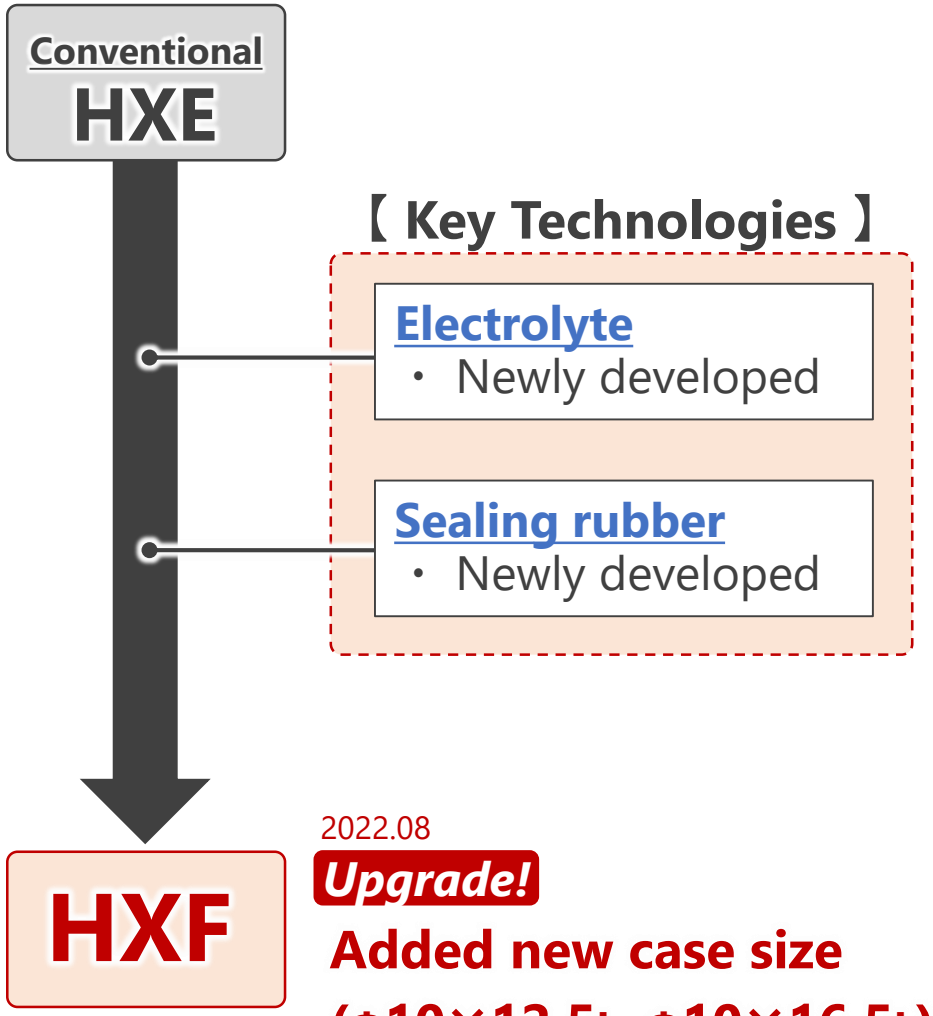
HXF
- **Added new case size (Φ10×12.5L ,Φ10×16.5L)**
- **Guranteed short time150℃**
- **Higher ripple current**
- **33uF to 560uF**
- **135℃ 4,000h**

Since 2021.12

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

● Advantage





☑ Three advantages of HXF

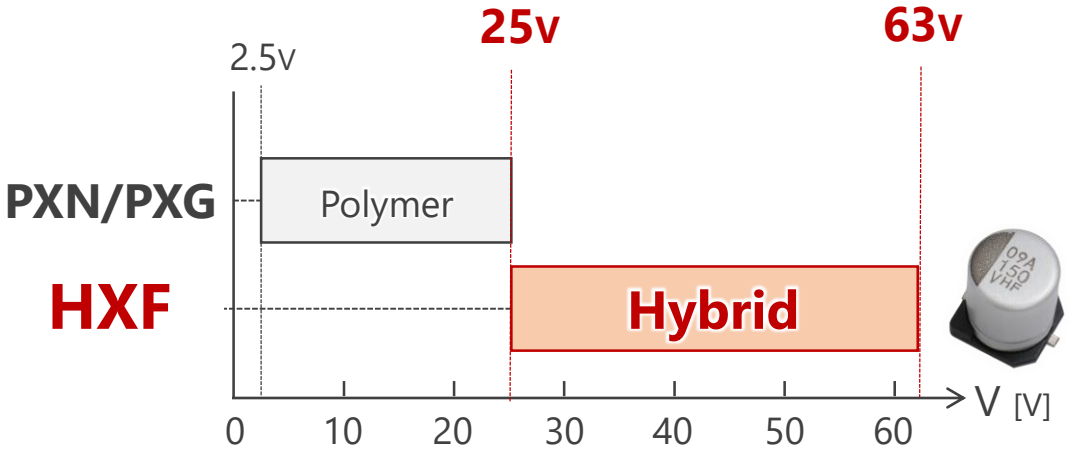
①Super low ESR above 25v
②Wear-out failure (Open Circuit & Safety)
③Higher ripple current

● Benefit/Evidence

➡ ①Super low ESR above 25v / ②Wear-out failure (Open circuit & Safety)

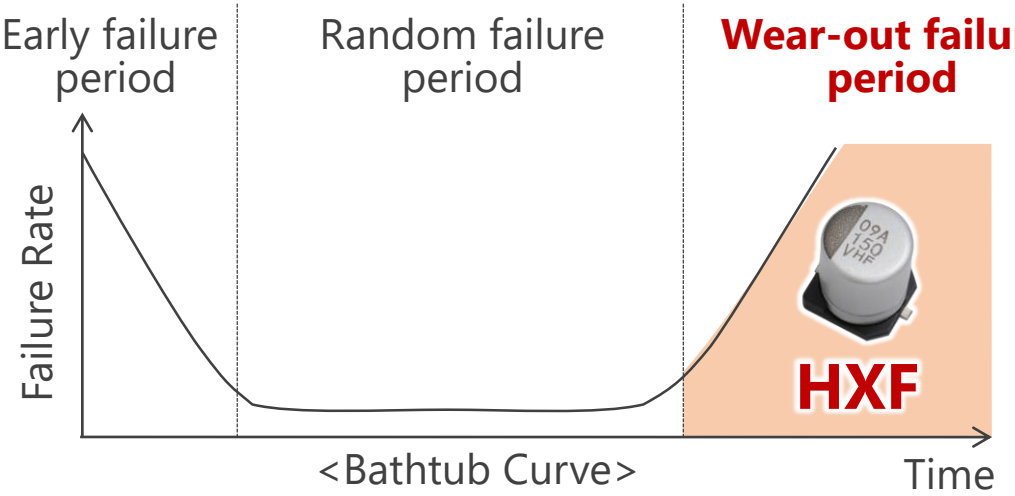
③Higher ripple current ・・Downsizing, Reduced # of capacitors

☑Super low ESR above 25v



Super low ESR Series
- **Lo-V: Polymer capacitor**
- **Hi-V: Hybrid capacitor**

☑ Wear-out failure (Safety)



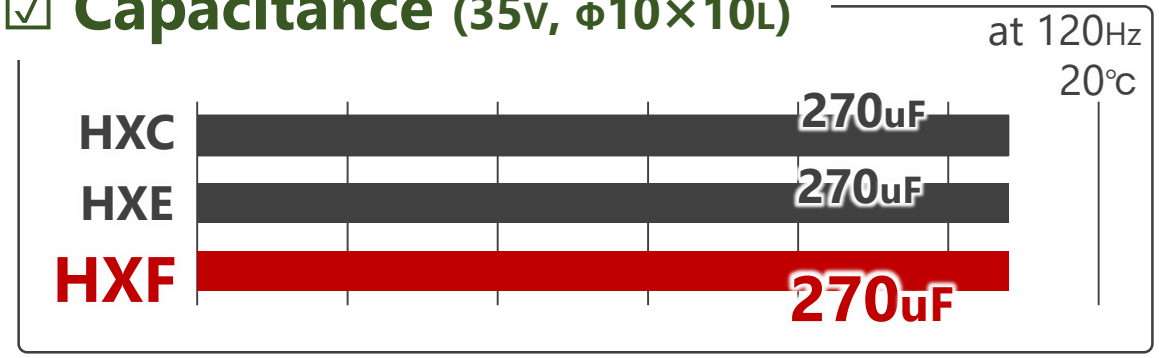
● HXF is not random failure product, but Wear-out failure product.

● Benefit/Evidence

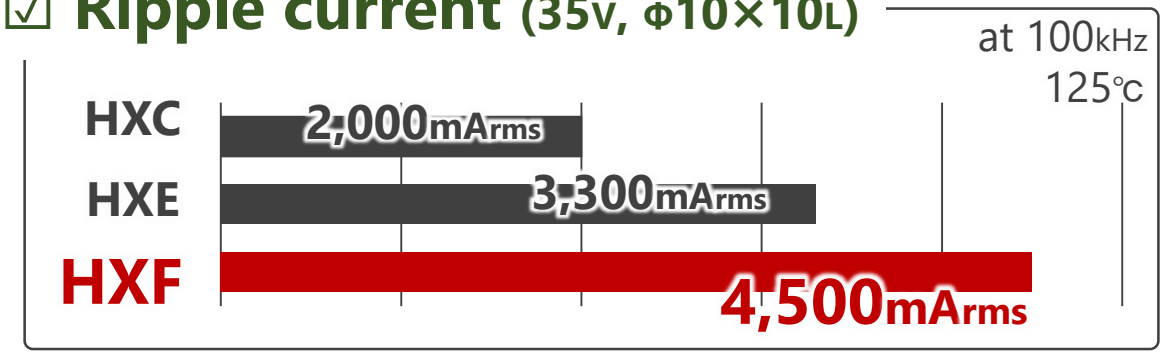
①Super low ESR above 25V / ②Wear-out failure (Open circuit & Safety)

➡ ③Higher ripple current ・・Downsizing, Reduced # of capacitors

☑ Capacitance (35V, Φ10×10L)



☑ Ripple current (35V, Φ10×10L)



☑ Downsizing (Fixed ripple current)