

Line Extension

EEF-JX, EEF-KX, EEF-TX Series SP-Cap™

Specialty Conductive Polymer Aluminum Electrolytic Capacitors



Now Available in 4V With ESR of 9mΩ!

Panasonic, a global leader in capacitor technology, is expanding its **EEF-JX, EEF-KX, and EEF-TX Series** of Surface Mount Specialty Conductive Polymer Aluminum Electrolytic Capacitors with new **4V 150μF, 180μF, and 220μF** capacitance offerings in a compact **2.0 mm height** package.

Designed for 3.3V power rail applications requiring long operational life, these new capacitors represent a significant advancement in the market. Few 4V conductive polymer capacitors currently offer endurance ratings of 3,000 to 5,500 hours at 125°C, and Panasonic is the only manufacturer to achieve an ultra-low ESR of 9 mΩ within this product category.

While 4V capacitors have traditionally been used on 3.3V power supply lines, the evolving power requirements of next-generation processors, including those used in AI servers and accelerators, are driving demand for higher-performance power management solutions. These new Panasonic capacitors are ideally positioned to support emerging applications where reliability, efficiency, and long life are critical.

Features /Benefits

- New capacitance values: 150μF, 180μF, and 220μF
- Compact 2.0 mm height surface-mount package
- Industry-leading 9 mΩ ESR
- Optimized for 3.3V power rails
- Endurance: 125°C 3000h, 125°C 5,500h, 135°C 5,500h
- Damp Heat: 85°C85%RH 1,000h

Industries

- Server, Data Center
- Communication Infrastructure
- Industrial Equipment

Applications

- AI Server
- Accelerator
- Switch/Router
- Humanoid Robot