

Type PPC -55°C to 125 °C Ultra-Thin Polymer Aluminum Electrolytic Capacitor

Why Use Type PPC?

The new PPC Series of ultra-thin polymer aluminum electrolytic capacitors from Cornell Dubilier represents a totally new capacitor form factor. Designed specifically for applications requiring high ripple current and the thinnest possible profiles, type PPC opens up new product design options. In addition to being just 1 mm thin, the PPC uses versatile packaging technology that makes it possible for capacitors to be formed into custom shapes and sizes to accommodate available space.

Rated for 125 °C, PPC combines the advantages of aluminum electrolytic and aluminum polymer technology. These capacitors have the ultra-low ESR characteristics of conductive aluminum polymer capacitors in a 1mm thin package.

Highlights

- Only 1mm thin
- Temperature: -55 °C to +125 °C
- Capacitance: 8,000 μF to 20,000 μF
- Voltage: 6.3 Vdc to 24 Vdc
- 2,000 Hrs @ Rated Temperature, Voltage and Ripple Current
- Custom Values, Sizes and Shapes (see back)
- Low Leakage Current
- Very Low ESR
- High Ripple Current
- 54 Arms @ 20 kHz
- 10 g Pk Vibration
- Altitude: 10,000 Ft.

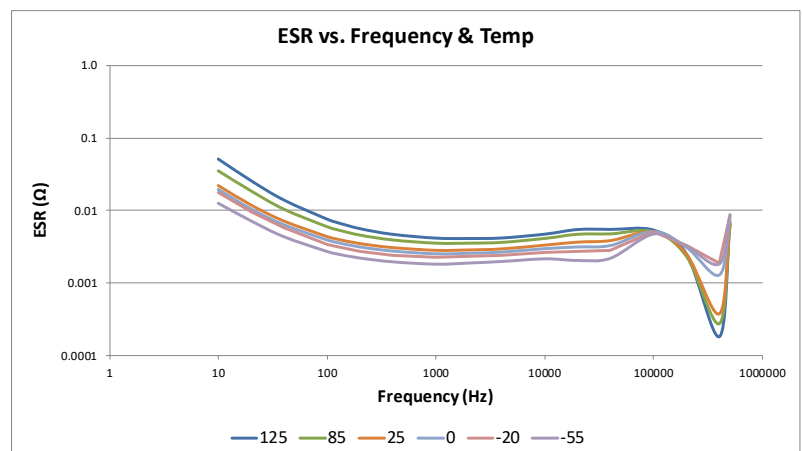
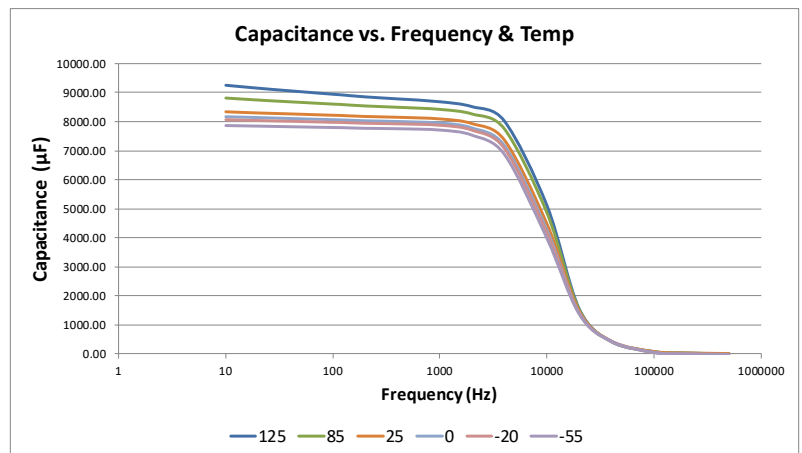
Applications

- Compact DC/DC Converters
- Thin Displays
- Compact Industrial Power Conversion Equipment
- Welding



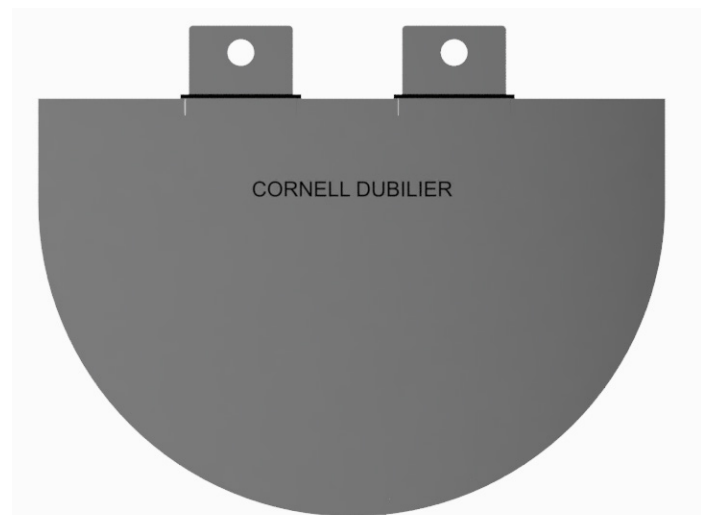
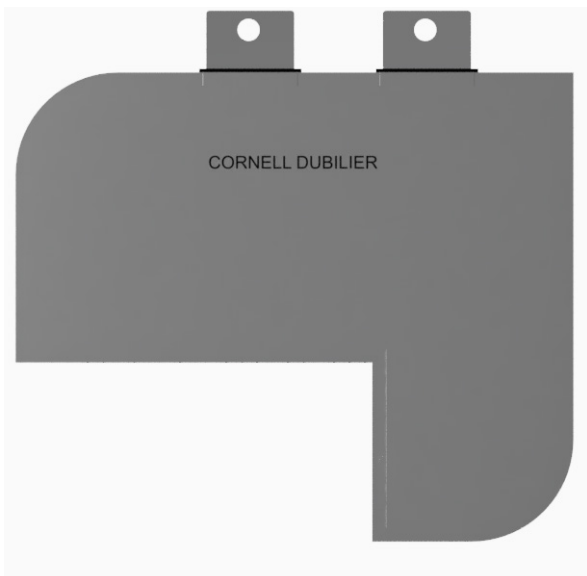
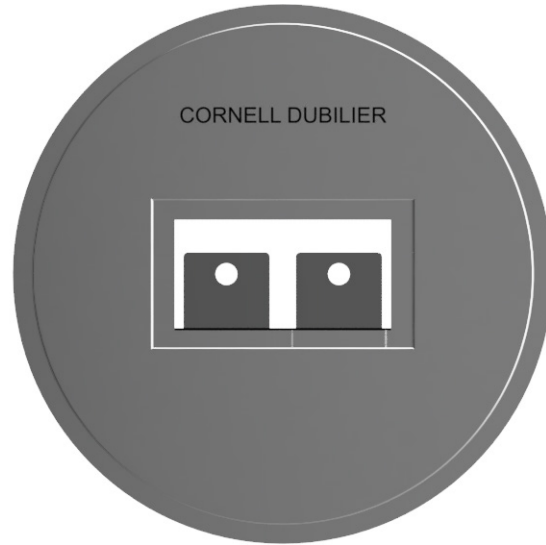
Advantages Over SMT Capacitors

A single PPC capacitor can handle ripple currents equivalent to dozens of SMT capacitors or a bulky cylindrical device. A solution using a PPC capacitor is lighter in weight and can improve overall circuit reliability, because a single component can replace an entire array of SMT capacitors.



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Possible Shapes to Consider



For information and samples, please contact:

Mario DiPietro
Product Manager
mdipietro@cde.com
864-843-2277 ext. 2395



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