PPC Series 1mm-Thin Aluminum Polymer Capacitors

Large capacitance with high-ripple current ratings
PPC Series Capacitors...1mm-thin conductive polymer aluminum with high-ripple current, large capacitance values

- For applications requiring high-ripple current and the thinnest possible profile
- Opens up new product design options for thinner, high power designs
- Can replace larger cylindrical aluminum electrolytics or large arrays of SMT capacitors
- Choose capacitance values from 8,000µF to 20,000µF from 6.3 to 24 WVDC
- 2,000 hr. life @ 125 °C
Ultra-flat design with ripple-current ratings of a larger capacitor

- A 1mm thin PPC capacitor has the same rated ripple current as a much larger cylindrical capacitor!
- Both capacitors on the right can handle 54Arms of ripple current @ 45 °C, 20kHz, but the PPC is 6% of the volume
Keys to performance...

- Versatile packaging technology allows capacitors to be ultra-flat, without space-wasting end-seal gaskets
- Custom values, shapes and sizes are available space for best space utilization
- Single component replaces many, increasing end-product reliability
- Easily mounted with 3M double sided VHB tape
- REACH & RoHS compliant
Mechanical design characteristics.

- About 5 x 5.5 x 0.04 inches
- Durable & lightweight
- 100G shock tested, 10G Pk for vibration
- Tin-plated copper terminals
- Multiple terminal configurations available

Dimensions are in inches. Tolerance unless specified ±0.01”
PPC Series offers multiple voltage combinations and deratings.

- Capacitance from 8,000µF@16Vdc to 20,000µF@6.3Vdc
- 2,000 hr. life@125 °C, can be de-rated to 10,000 hr. life@105 °C
- Excellent capacitance retention over full operating temperature
For applications requiring high-ripple current, large capacitance values

Create thinner, higher performance products...

• Compact DC/DC Converters
• Thin Displays
• Compact Industrial Power Conversion Equipment
• Welding
CDE PPC Series Summary

- Just 1mm thin
- For applications requiring high-ripple current and the thinnest possible profile
- Opens up new product design options for thinner, high power devices
- Can replace larger cylindrical electrolytics or large arrays of SMT capacitors
- Choose capacitance values from 8,000µF to 20,000µF from 6.3 to 24 WVDC
- 2,000 hr. life @ 125 °C or 10,000 hours at @ 105 °C
- Available in custom sizes and shapes