

CDE Type 381LL/383LL
105 °C Long Life
Snap-In Aluminum Electrolytic

*8,000 hour, low ESR capacitors for
motor drive, inverter, UPS and other
power applications*



ENERGIZING IDEAS

**CORNELL
DUBILIER**

CDE 381LL/383LL Aluminum Electrolytic Capacitors

Type 381 & 383LL (Long Life) series uses advanced construction and electrolyte chemistry to achieve high performance in critical applications.

- Passes Endurance Life Test of 5,000 Hrs. at 105 °C, rated ripple current and voltage.
- Stable capacitance, ESR and leakage current over lifetime.



381LL/383LL Series Key Performance Parameters

- Wide operating temperature range:
–55°C to + 105 °C
- Capacitance range:
740 μ F to 100,000 μ F
- Voltage ratings from 16 to 250 Vdc
- Ripple current ratings up to:
10A @ 20 KHz, 105 °C
- Low ESR



High Performance for a Variety of Power Electronics Applications

General applications include:

- DC Link
- Any circuit requiring low ESR, high ripple current and long life

Particularly well-suited for inverter-based applications



Applications In Hot Markets.

CDE 381LL/383LL capacitors will excel at providing reliable filtering and smoothing for applications in:

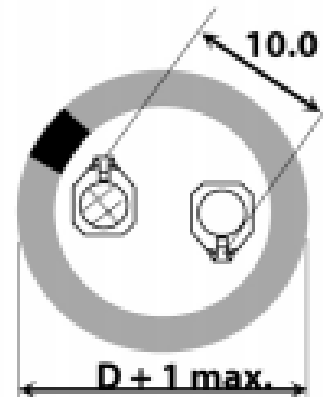
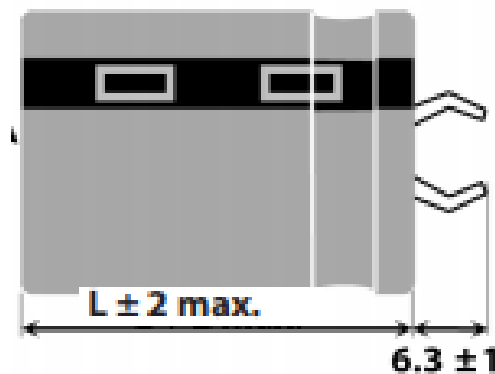
- UPS systems
- Switching power supplies
- Inverters and micro-inverters
- Power line conditioning



381LL/383LL Case Sizes and Lead Configurations

- Seven case sizes, varying on values/ratings, ranging from 35x35 up-to 40x63mm.
- Two pin lead on 35 mm and 40 mm diameters.
- Four and five pin lead configurations available for the larger diameters.

Two Pins
381L/LX (22 through 40 mm diameter)



CDE 381LL/383LL and Aluminum Electrolytic Snap Mount Capacitor Summary

- **Long Life!** 105 °C, for 8,000 hours with no derating
- Advanced electrolyte chemistry
- High ripple current ratings
- RoHS Compliant
- Broad range of capacitance values
- Ideal for inverter, UPS and other power applications

