



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Type CDLC Carboncap High-Power Board-Mount Ultracapacitor

Multi-Pin Snap-In Terminals



This leading edge, organic electrolyte D cell ultracapacitor can easily handle more than a half million duty cycles and has multiple pins and snap-in terminals for easy, reverse proof, robust, board mounting. They are suited for industrial power back up, renewable energy systems, short term UPS, and telecom applications.

Highlights

- High Power Performance.
- Ultra Low ESR Characteristics
- Available with Surface Mount multi-pin radial termination

Specifications

Operating Temperature Range	-40 °C to +65 °C
Storage Temperature Range	-40 °C to +70 °C
Rated Voltage Range	2.7 Vdc, 2.85 Vdc rated surge
Capacitance Range	350 F
Capacitance Tolerance	-5 / +10%
Life at Room Temperature	10 years at rated voltage and 25 °C Capacitance change ≤20% ESR change ≤100%
Life Test	1000 h @ rated voltage and +65 °C Capacitance change ≤20% decrease from min. initial value ESR change ≤100% increase from max. initial value
Cycle Test	1,000,000 cycles (rated to half rated voltage, 25 °C) Capacitance change ≤20% decrease ESR change ≤100% increase
Shelf Life	1000 h, no voltage, +70 °C Capacitance change ≤20% from min. initial capacitance ESR change ≤100% from max. initial ESR
RoHS Compliant	

Ratings

Part Number	CDLC351K2R7S4
Terminal Configuration	multi-pin radial
Capacitance (F) (Discharge w constant current at 25°C)	350
ESR, DC (mΩ), Max	2.7
Current - Max Peak (A) (1 s discharge rate to 50% of rated Voltage)	243
Leakage current (mA), Max after 72 h at +25 °C	1.0
Usable Power Density, Pd (W/kg) (Per IEC 62391-2)	4900
Usable Power (W)	324
Impedance match power, (W/kg)	11500
Gravimetric energy density, Emax (Wh/kg)	5.4
Energy available (Wh) (At rated voltage)	.35
Weight (kg)	.066
Maximum Continuous Current (Arms) (ΔT=20 °C)	24
Short circuit current (A)	750

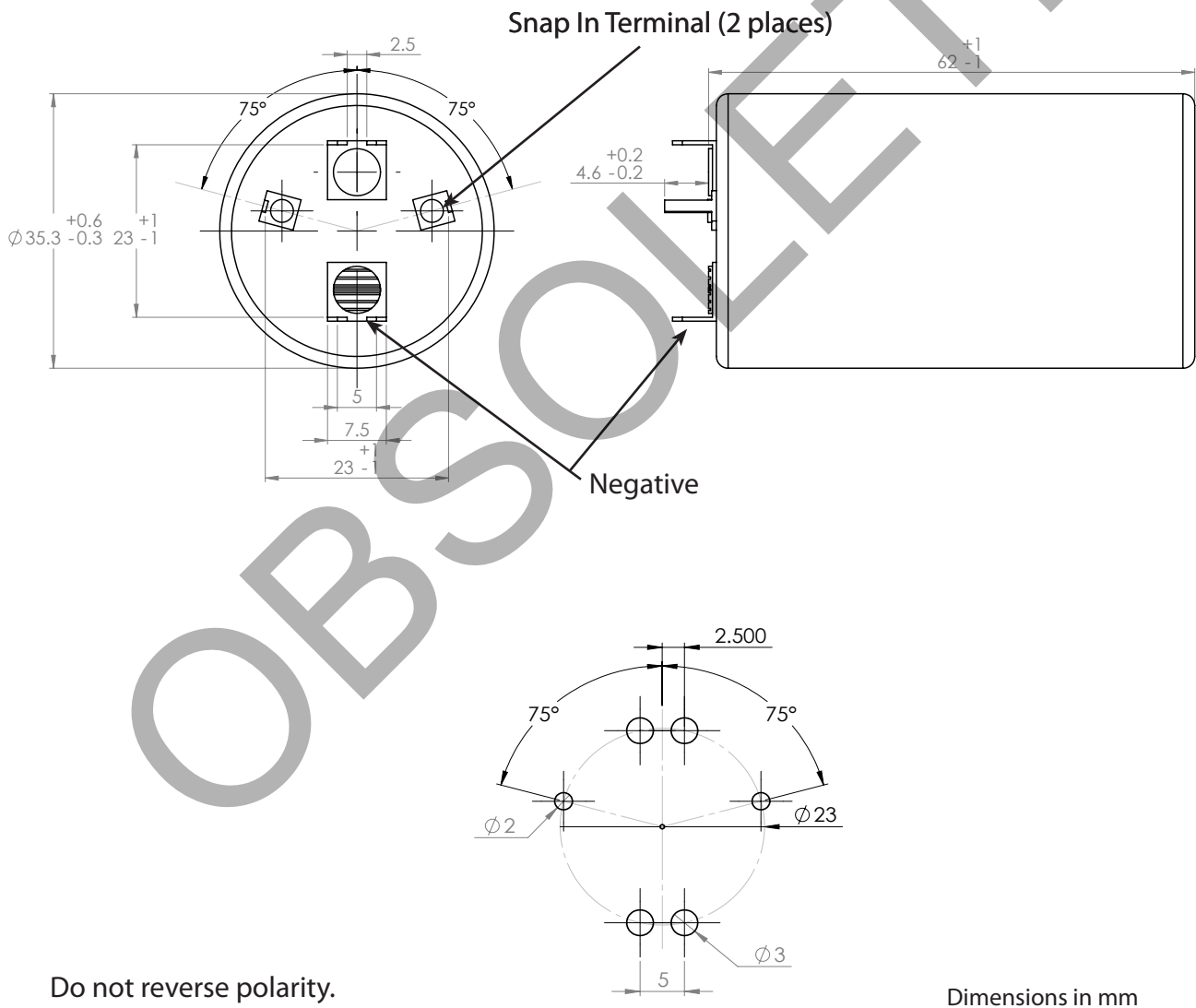
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Part Numbering System

CDLC	351	K	2R7	S4
Type	Capacitance (F)	Tolerance (%)	Voltage (V)	Configuration
CDLC - Carbon Double Layer Cell	351 = 350	K = -5% / +10%	2R7 = 2.7	S4 = multi-pin radial

Outline Drawing and Dimensions



Do not reverse polarity.

Dimensions in mm