

LSUC[®] 2.8V Series

Snap-in type terminal

Features and benefits



- World top class voltage series.
- Long term reliable cycle life
- Quick charge & discharge available

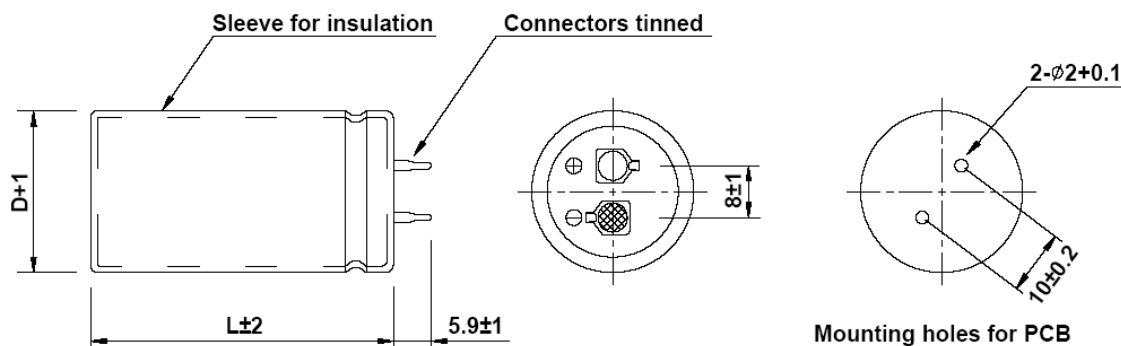
Typical Application

- HEV & FCEV
- Consumer application
- Short term UPS
- Windmill pitch control
- Power back up, voltage stabilizer
- Robotics memory back up



Physical properties

Dimension in mm (not to scale)



Specification

Rated Voltage	2.8 V	
Surge Voltage	3.0 V	
Capacitance Tolerance	-10% / 10%	
Resistance Tolerance	MAX.	
Operating temperature range	-40 ~ 65 °C	
Storage temperature range	-40 ~ 70 °C	
Life Time (25°C)	After 10 years at rated voltage and +25 °C	
	Capacitance change	Within 30% of initially specified value
	Internal resistance change	Within 100% of initially specified value
Cycle Life (25°C)	After 500,000 cycles between rated voltage to half rated voltage at +25 °C	
	Capacitance change	Within 30% of initially specified value
	Internal resistance change	Within 100% of initially specified value

Standard Ratings

Capacitance (F)	Dimension (mm)		Resistance(mΩ)		Continuous Current (A)	Max. Current (A)	Leakage Current (mA)	Max. Stored Energy (Wh)	Weight (g)	Part number
	D	L	(1kHz)	DC						
120	25	46	7	9	20	81	< 0.4	0.13	25	LSUC 002R8S 0120F EA
100	22	46	7	9	20	74	< 0.3	0.11	23	LSUC 002R8S 0100F EA

LS Ultracapacitors have been Certified by **ISO/TS16949, ISO14001:2004, OHSAS18001:2007, UL**

Design, Specifications may change without notice.

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