



Document Number | V01_170529

Product Specification

LSUC 003R0S 0100F EA



Product Specification

■ Features

High Power and Long-Term Reliability feature
 If LS Ultracapacitor enables this component to
 use in various applications as backup power unit,
 auxiliary power unit, instantaneous power compensation,
 peak power compensation and energy storage as well.

■ Specification

Rated Voltage	3.0 V	
Surge Voltage ¹	3.2 V	
Capacitance Tolerance	0% / +20%	
Operating temperature range	-40 ~ 65 °C	
Storage temperature range	-40 ~ 70 °C	
Endurance Life (65°C)	1,500 Hours	
	Capacitance change	Within 20% of initially specified value
	ESR change	Within 100% of initially specified value
Projected Life Time (25°C)	10 Years at rated voltage	
	Capacitance change	Within 20% of initially specified value
	ESR change	Within 100% of initially specified value
Projected Cycle Life (25°C) ²	500,000 Cycles	
	Capacitance change	Within 20% of initially specified value
	ESR change	Within 100% of initially specified value
Shelf Life (25°C)	4 Years stored uncharged state	
Certifications	ROHS, REACH	

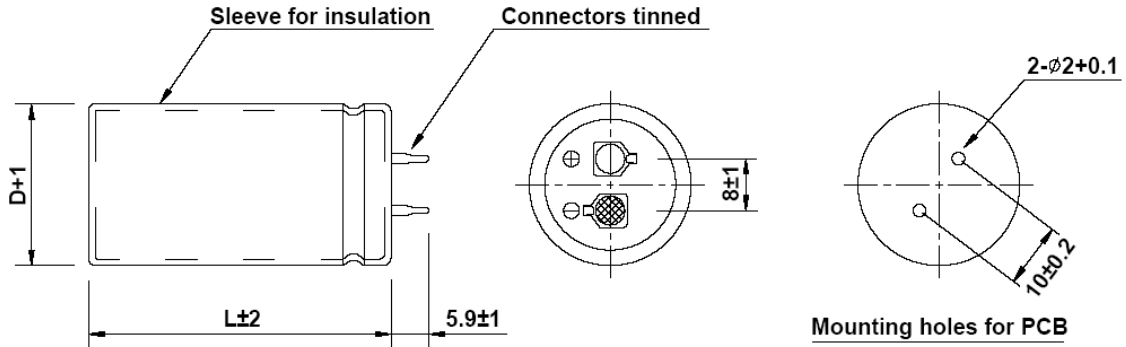
■ Standard Ratings

Part number	Capacitance (F)	Max. ESR (mΩ)		Max. Current (A) Non-repeated	Leakage Current (mA)	Max. Stored Energy (Wh)
		AC (1kHz)	DC			
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Product specification

Physical properties

Dimension in mm (not to scale)



Standard Ratings

Part number	Dimension (mm)		Weight (g)
	D1 (+ 1.0)	L (± 2.0)	
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*Remark

- 1) Non-repeated, not to exceed 1sec.
- 2) Actual cycle value can be subject to various application conditions.