LS

Product Specification

LSUC 003R0S 0100F EA
(Tentative)

LS ULTRACAPACITOR
LSUC

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

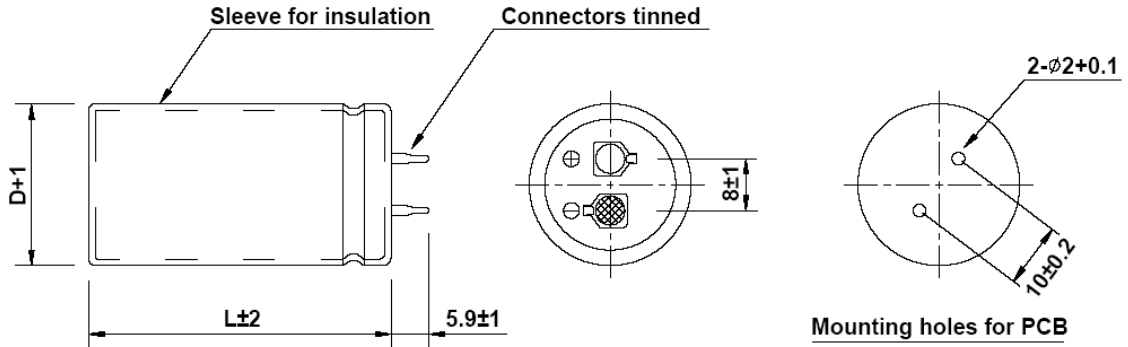| Rated Voltage	3.0 V	
Max. Voltage[1]	3.2 V	
Capacitance Tolerance	0% / +20%	
Operating temperature range	-40 ~ 65 ˚C	
Storage temperature range	-40 ~ 70 ˚C	
Endurance Life (65℃)	1,500 Hours	
	Capacitance change	Within 20% of initially specified value
	ESR change	Within 100% of initially specified value
Projected Life Time (25℃)	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℃)[2]	500,000 Cycles	
	Capacitance change	Within 20% of initially specified value
	ESR change	Within 100% of initially specified value
Shelf Life (25℃)	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			
LSUC 003R0S 0100F EA	100	7	9	79	< 0.3	0.125

Product specification

■ Physical properties

Dimension in mm (not to scale)

Sleeve for insulation
Connectors tinned
D+1
L±2
5.9±1
8±1
2-∅2+0.1
10±0.2
Mounting holes for PCB

■ Standard Ratings

Part number	Dimension (mm)		Weight (g)
	D1 (+ 1.0)	L (±2.0)	
LSUC 003R0S 0100F EA	22.0	46.0	23

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