LS

Document Number	V01_161020

Product Specification

LSUC 002R8S 0350F EA
LSUC 002R8S 0400F EA
LSUC 002R8S 0450F 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

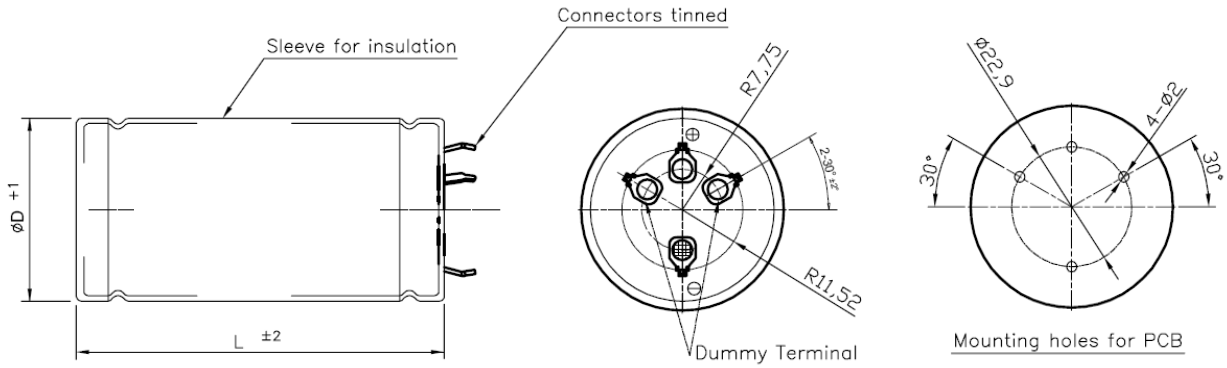| Rated Voltage	2.8 V	
Max. Voltage[1]	3.0 V	
Capacitance Tolerance	0% / +20%	
Operating temperature range	-40 ~ 65 °C	
Storage temperature range	-40 ~ 70 °C	
Endurance Life (65℃)	1,500 Hours	
	Capacitance change	Within 20% of initially specified value
	ESR change	Within 100% of initially specified value
Life Time (25℃)	10 Years at rated voltage	
	Capacitance change	Within 20% of initially specified value
	ESR change	Within 100% of initially specified value
Cycle Life (25℃)	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, UL810A (Certificate No. : MH46367)	

■ 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 002R8S 0350F EA	350	3.0	3.2	231	< 1	0.38
LSUC 002R8S 0400F EA	400	2.8	3.0	255	< 1	0.44
LSUC 002R8S 0450F EA	450	2.8	3.0	268	< 1	0.49

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Product specification

■ Physical properties

Dimension in mm (not to scale)

Sleeve for insulation

Connectors tinned

ΦD +1

L ±2

R7.75

2·30°±²

R11.52

Dummy Terminal

Φ22.9

30°

4-Φ2

30°

Mounting holes for PCB

■ Standard Ratings

Part number	Max. Continuous Current (A)[2]		Thermal Resistance (℃/W) _ Cell Surface	Dimension (mm)		Weight (g)
	△T=15 ℃	△T=40 ℃		D1 (+ 1.0)	L (±2.0)	
LSUC 002R8S 0350F EA	25	40	8.0	35.0	61.0	72
LSUC 002R8S 0400F EA	25	40	8.3	35.0	66.0	80
LSUC 002R8S 0450F EA	25	40	8.3	35.0	71.0	88

*Remark
1) Non-repeated, not to exceed 1sec.
2) Initial state value.

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