



Document Number V01_170117

Product Specification

LSUC 003R0C 1500F EA
(Tentative)



Product Specification

Tentative

■ 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°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	1,000,000 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	
Shock & Vibration	IEC 61373, IEC 60068	

■ Standard Ratings

Part number	Capacitance (F)	Max. ESR (mΩ)	Max. Current (A) Non-repeated (Calculated value)	Leakage Current (mA)	Max. Stored Energy (Wh)
LSUC 003R0C 1500F EA	1500	0.28	1,585	< 3	1.87

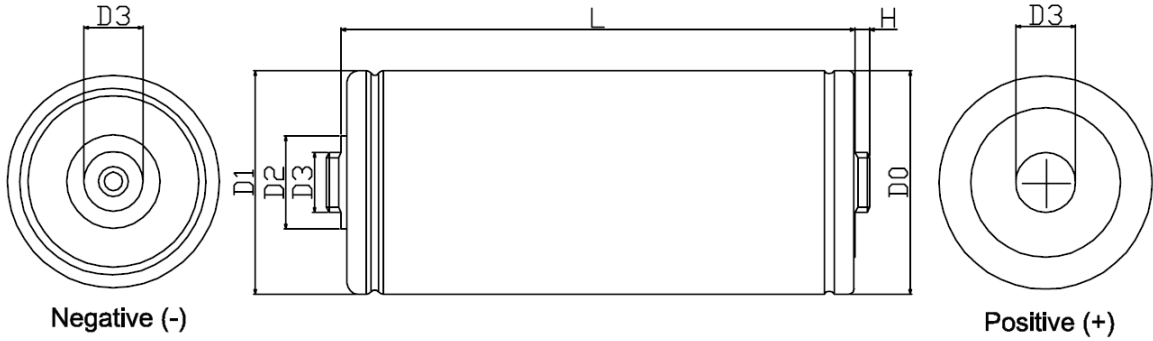
*Remark

1) Non-repeated, not to exceed 1sec.

2) Actual cycle value can be subject to various application conditions.

Product Specification

Physical Properties



Standard Ratings

Part number (Short Threaded Terminal)	Dimension (mm)						Weight (g)
	D0 (+ 0.6)	D1 (± 0.7)	D2 (± 0.1)	D3	H (± 0.1)	L (± 0.5)	
LSUC 003R0C 1500F EA ST01	$\varnothing 60$	$\varnothing 60.7$	$\varnothing 25$	M16, P1.0	4	85	320
Part number (Long Threaded Terminal)	Dimension (mm)						Weight (g)
	D0 (+ 0.6)	D1 (± 0.7)	D2 (± 0.1)	D3	H (± 0.1)	L (± 0.5)	
LSUC 003R0C 1500F EA LT01	$\varnothing 60$	$\varnothing 60.7$	$\varnothing 25$	M16, P2.0	14	85	320
Part number (Long Threaded Terminal)	Dimension (mm)						Weight (g)
	D0 (+ 0.6)	D1 (± 0.7)	D2 (± 0.1)	D3	H (± 0.1)	L (± 0.5)	
LSUC 003R0C 1500F EA LT02	$\varnothing 60$	$\varnothing 60.7$	$\varnothing 25$	M12, P1.75	14	85	320
Part number (Weldable Terminal)	Dimension (mm)						Weight (g)
	D0 (+ 0.6)	D1 (± 0.7)	D2 (± 0.1)	D3 (± 0.05)	H (± 0.125)	L (± 0.5)	
LSUC 003R0C 1500F EA WT01	$\varnothing 60$	$\varnothing 60.7$	$\varnothing 25$	$\varnothing 14$	3.18	85	320

* Material for weldable terminal : AL 6061