



Document Number V00_170822

Product Specification

LSUC 002R7R 0025F EA

LSUC 002R7R 0033F EA

LSUC 002R7R 0050F 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	2.7 V	
Surge Voltage ¹	2.85 V	
Capacitance Tolerance	0% / +20%	
Operating temperature range	-40 ~ 65 °C	
Storage temperature range	-40 ~ 65 °C	
Endurance Life (65°C)	1,000 Hours	
	Capacitance change	Within 30% of initial value
	ESR change	Within 100% of initially specified value
Projected Life Time (25°C)	10 Years at rated voltage	
	Capacitance change	Within 30% of initial value
	ESR change	Within 100% of initially specified value
Projected Cycle Life (25°C) ²	500,000 Cycles	
	Capacitance change	Within 30% of initial value
	ESR change	Within 100% of initially specified value

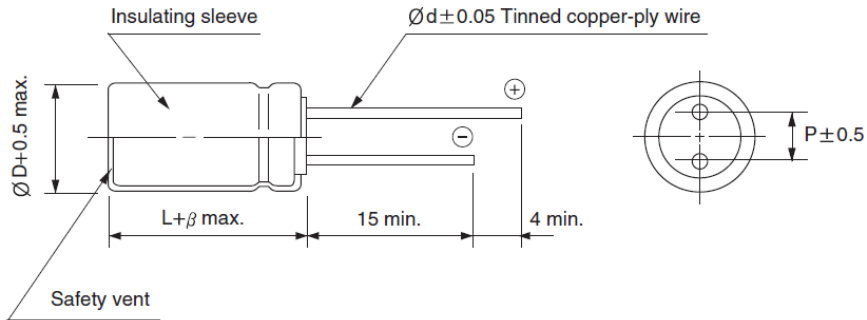
■ Standard Ratings

Part number	Capacitance (F)	Max. ESR (mΩ)		Max. Current (A) Non-repeated (Calculated value)	Leakage Current (mA)	Max. Stored Energy (Wh)
		AC (1kHz)	DC			
LSUC 002R7R 0025F EA	25	15	25	20.77	< 0.045	0.025
LSUC 002R7R 0033F EA	33	11	20	26.84	<0.060	0.033
LSUC 002R7R 0050F EA	50	9	16	37.50	<0.075	0.051

Product specification

Physical properties

Dimension in mm (not to scale)



Standard Ratings

Part number	Dimension (mm)					Weight (g)
	$\varnothing D (+ 0.5)$	L	L + β max.	P (± 0.5)	$\varnothing d (\pm 0.05)$	
LSUC 002R7R 0025F EA	16	25	27	7.5	0.8	6.7
LSUC 002R7R 0033F EA	18	31	33	7.5	0.8	10.0
LSUC 002R7R 0050F EA	18	40	42	7.5	0.8	12.8

*Remark

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

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