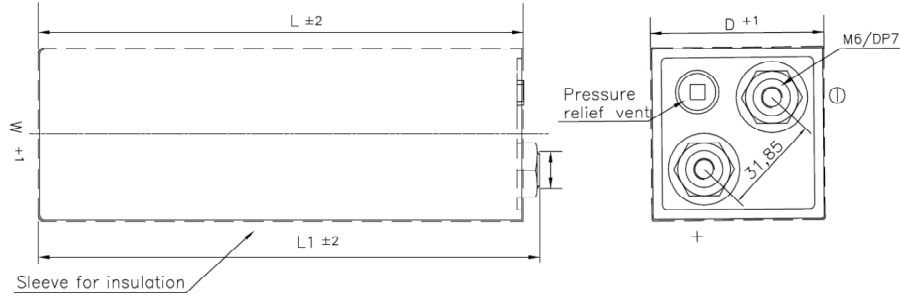


# Product specification

## Physical properties

Dimension in mm (not to scale)



## Specification

Rated Voltage	2.8 V	
Surge Voltage	3.0 V	
Capacitance Tolerance	+10% / -10%	
Resistance Tolerance	< Spec. Value	
Operating temperature range	-40 ~ 65 °C	
Storage temperature range	-40 ~ 70 °C	
Endurance	After 1500 hours application of 2.8V .DC at 65 °C, the capacitor shall meet the following limits.	
	Capacitance change	Within 30% of initially specified value
	Internal resistance change	Within 150% of initially specified value
Shelf life	After 1500 hours storage at +65 °C without load, the capacitor shall meet specification of endurance.	
Life Time (25°C)	After 10 years at rated voltage and +25 °C	
	Capacitance change	Within 30% of initially specified value
	Internal resistance change	Within 150% of initially specified value
Cycle Life (25°C)	After 1,000,000 cycles between rated voltage to half rated voltage at +25 °C	
	Capacitance change	Within 30% of initially specified value
	Internal resistance change	Within 150% of initially specified value

## Standard Ratings

Part number	Capacitance (F)	Resistance (mΩ)		Max. Current (A)	Leakage Current (mA)	Max. Stored Energy (Wh)
		(100Hz)	DC			
LSUC 002R8P 3000F EA	3000	0.29	0.36	2,019	< 5	3.27
LSUC 002R7C 3000F EA LR01	3000	0.25	0.25	2,400	< 5	3.27

Part number	Dimension (mm)				Weight (g)
	D (+1)	W (+ 1)	L (±2)	L1 (±2)	
LSUC 002R8P 3000F EA	55	55	155	160	650
LSUC 002R7C 3000F EA LR01	55	55	155	160	650