

# SLA

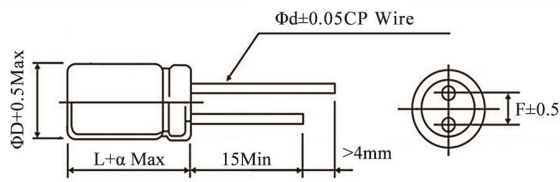


- ◆ Lithium-ion Capacitor 3.8V.DC 1000 Hours
- ◆ Better Temperature Performance: Charge at -20°C, Discharge at +85°C, Suitable for -40°C~+85°C
- ◆ Large Working Current Features: Constantly Charge 20C, Discharge 30C, Instantly Discharge 50C
- ◆ Ultra Low Self-Discharge, Capacitance Is 10 Times More Than the Same Size EDLC
- ◆ Safety: Save Material, No Explosion, No Sparking, RoHS, REACH Compliant

## Specifications

Items	Characteristics	
Temperature Range	-40°C~+85°C	
Rated Voltage Range	3.8V.DC~2.5V.DC, max charging voltage:4.2V.DC	
Capacitance Range	-10%~+30%(20°C)	
Endurance	The specification should be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 85°C.	
	Capacitance change	Within ±30% of the initial capacitance value
	ESR	300% or less than the initial specified value
Shelf Life	The specification should be met when the capacitors are restored to 20°C after storing under no load for 1000 hours at 85°C.	
	Capacitance change	Within ±30% of the initial capacitance value
	ESR	300% or less than the initial specified value

## Standard Size ( Size:mm )



L≤16	a=1.5
L>16	a=2.0

D	6.3	8	10	12.5	16	18	22
d	0.5	0.6	0.6	0.6	0.8	0.8	0.8
F	2.5	3.5	5	5	7.5	7.5	10

## Product Size

Series	Rated Voltage (Vdc)	Capacitance Range (F)	Size ΦD×L (mm)	ESR (mΩ/20°C, 1KHz)	Capacitance (3.8-2.5V) (mAH)	Max. Discharge		Max. Charging Voltage/Current	Part Number
						Constantly Current	Surge Current(1s)		
SLA	3.8	15	6.3×13	800	5	100mA	0.5A	4.2V/200mA	SLA 3R8 L 156 0613
	3.8	20	8×13	500	10	100mA	0.5A	4.2V/200mA	SLA 3R8 L 206 0813
	3.8	40	8×20	200	15	200mA	1A	4.2V/300mA	SLA 3R8 L 406 0820
	3.8	60	12.5×13	160	25	220mA	3A	4.2V/500mA	SLA 3R8 L 606 1313
	3.8	80	10×20	150	30	250mA	3A	4.2V/500mA	SLA 3R8 L 806 1020
	3.8	120	10×30	100	45	500mA	5A	4.2V/1A	SLA 3R8 L 127 1030
	3.8	120	12.5×20	100	45	500mA	5A	4.2V/1A	SLA 3R8 L 127 1320
	3.8	150	10×35	100	60	600mA	6A	4.2V/1.5A	SLA 3R8 L 157 1035
	3.8	180	10×40	100	80	700mA	8A	4.2V/1.5A	SLA 3R8 L 187 1040
	3.8	200	12.5×30	80	70	700mA	8A	4.2V/1.5A	SLA 3R8 L 207 1330
	3.8	250	12.5×35	50	80	800mA	10A	4.2V/2A	SLA 3R8 L 257 1335
	3.8	250	16×20	50	80	800mA	10A	4.2V/2A	SLA 3R8 L 257 1620
	3.8	300	12.5×40	50	100	1A	10A	4.2V/2A	SLA 3R8 L 307 1340
	3.8	400	16×30	50	120	1.5A	15A	4.2V/2A	SLA 3R8 L 407 1630
	3.8	450	16×35	50	150	1.5A	15A	4.2V/2A	SLA 3R8 L 457 1635
	3.8	500	16×40	40	200	2A	20A	4.2V/2A	SLA 3R8 L 507 1640
	3.8	750	18×40	25	300	3A	30A	4.2V/3A	SLA 3R8 L 757 1840
3.8	1100	18×50	20	400	3A	30A	4.2V/3A	SLA 3R8 L 118 1850	
3.8	1500	22×55	18	550	5A	40A	4.2V/5A	SLA 3R8 L 158 2255	

## Applications

- ◆ IoT
- ◆ ETC(OBU)
- ◆ Driving Recorder
- ◆ AGV
- ◆ Home Remote Control
- ◆ For Smart Meters(water meters, gas meters and electric meters), Concentrators
- ◆ Smart Power Grid and Auxiliaries