



Power Type

PV Series

Features

- 3.0V operating voltage
- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- Extended temperature to 85°C
- Humidity resistance @ RH90%

Certification

- RoHS & REACH compliant
- UL recognized (File No. MH10260)

Recommended Applications

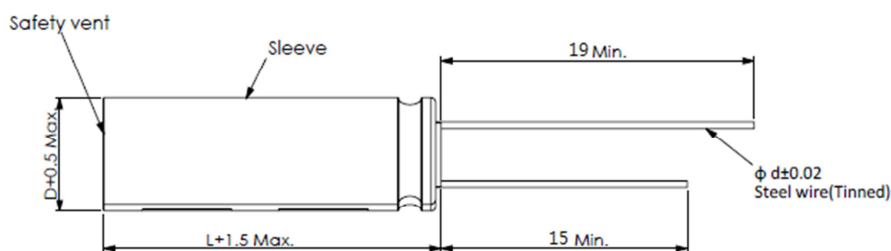
- Pulse power demand
- Hybrid battery packs
- Power tools



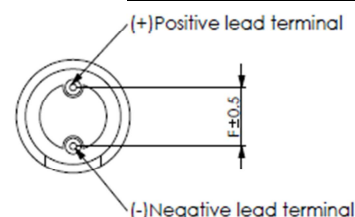
Specification

Items	Characteristics	
Rated Voltage	2.7 V	3.0 V
Operating Temp. (Charge)	-40°C ~ 85°C	-40°C ~ 65°C
Surge Voltage	3.15 V	
Capacitance Tolerance	-20% ~ +20% of Rated Capacitance	
Storage Temp.	-40 °C to 85 °C	-40 °C to 70 °C
Test	Endurance	Standards
High Temp. Life	1000hrs @ Rated Voltage & Max. Operating Temp.	Must to meet standards as below after test: CAP decline < 30% of Initial measurement. ESR < 2 times specification value.
Shelf Life (Non-Charge)	1000hrs @ Max. Operating Temp.	
Life time	10 Years @ Rated Voltage & 25°C	
Cycle Life	500,000 Cycles @ 25°C (Operating Between 50%~100% Of Rated Voltage)	

Dimensions



D	L	d	F
6.3	15	0.5	2.5



Standard Ratings

Rated Cap (F)	Size (mm)	Max. Internal Resistance (mΩ)		Max. LC (mA)	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Peak Current (1s to 1/2V (A))	Max. continuous current (A)	ISC (A)	Max. Weight (g)	Part Number
		AC (1kHz, 1V)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)					
measure at 25°C	ΦDXL			72hrs, 25°C										
1.2	6.3X15	240	600	0.008	0.0015	1.5000	3.2080	1800	3750	1.05	0.12	5.00	1	PV3R0125M0615

※DC IR is calculated by voltage drop(ΔV) which is measured by the period of time from discharge start to 10 milliseconds later.

