



Power Type

PV Series



Features

- 3.0V operating voltage for high power and high energy
- Environmentally friendly products
- Extended temperature to 85°C
- Humidity resistance @ RH90%

Certification

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

Recommended Applications

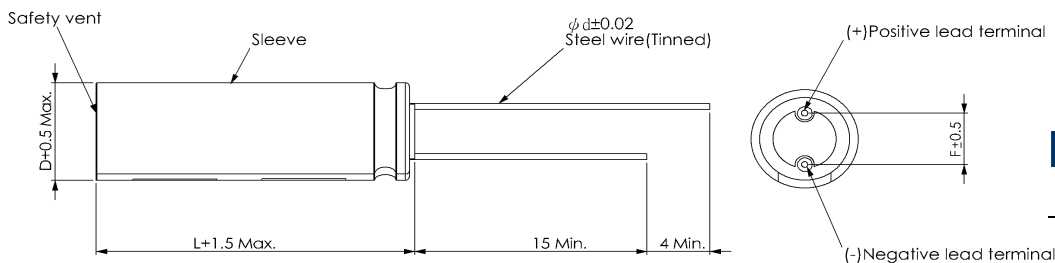
- Pulse power demand
- Hybrid battery packs
- Portable electronic devices

Specification

Items	Characteristics	
Rated Voltage	3.0 V	2.7 V
Operating Temp. (Charge)	-40°C ~ 65°C	-40°C ~ 85°C
Surge Voltage	3.15 V	2.85V
Capacitance Tolerance	-20% ~ +20% of Rated Capacitance	

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.
High Humidity Life	1000hrs @ Rated Voltage & 65°C & RH90%	
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
8	25	0.6	3.5

Standard Ratings

Rated Cap (F)	Size (mm)	Max. Internal Resistance (mΩ)		Max. LC (mA)	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Peak Current (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	(Wh)	(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)	1s to 1/2V (A)	(A)	(A)	(g)	
5	8X25	80	150	0.015	0.0063	2.8409	4.9736	3273	6818	4.29	0.5	20.00	2.2	PV3R0505M0825

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

