



## 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

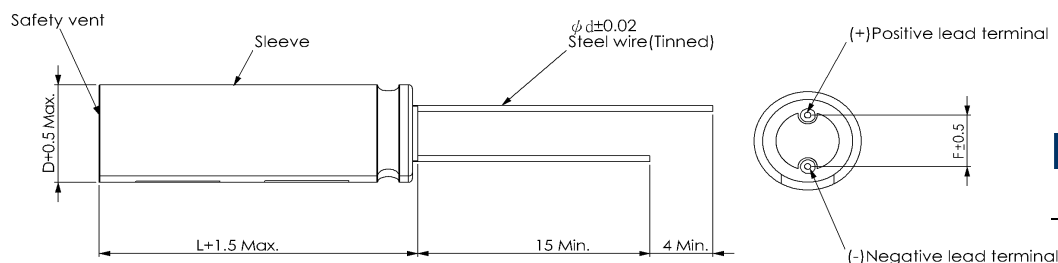
- Pulse power demand
- Hybrid battery packs
- Portable electronic devices

#### 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
10	30	0.6	5.0

#### Standard Ratings

Rated Cap (F)	Size (mm)	Max. Internal Resistance (mΩ)		Max. LC (mA)	Stored Energy (Wh)	Specific Energy (Wh/kg)		Specific Power (W/kg)		Max. Peak Current (A)	Max. continuous current (A)	Isc (A)	Max. Weight (g)	Part Number
		AC (1kHz, 1V)	DC			72hrs, 25°C	(Wh/kg)	(Wh/l)	Pd (W/kg)					
measure at 25°C	ΦDXL													
10	10X30	40	80	0.03	0.0125	3.6765	5.3052	3971	8272	8.33	1	37.50	3.4	PV3R0106M1030

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

