



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

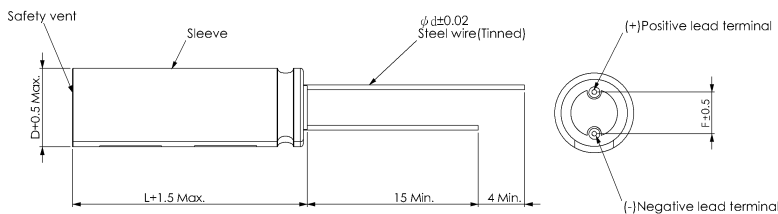
- Pulse power demand
- Hybrid battery packs
- Portable electronic devices



Specification

Items	Characteristics	
Rated Voltage	3.0 V	
Surge Voltage	3.15 V	
Capacitance Tolerance	-20 % / +20 %	
Operating Temperature	-40 °C to 65 °C	
Storage Temperature	-40 °C to 70 °C	
Endurance	1000hr @65°C at Rated Voltage	ΔC Within ±30% of initial measured value ESR Within 2 times of initial specified value
Shelf Life	1000hrs @70°C without load	
Life time	10y @ 25 °C at Rated Voltage	
Cycle Life	500k cycles	
Cycle: between specified voltage and half voltage under constant current at 25°C		

Dimensions



Size List

Size	D	L	d	F
8X25	8	25	0.6	3.5
8X28	8	28	0.6	3.5
10X30	10	30	0.6	5.0
12.5X31.5	12.5	31.5	0.8	5.3
16X26	16	26	0.8	7.5
12.5X46	12.5	46	0.8	5.3
16X31.5	16	31.5	0.8	7.5
18X40	18	40	0.8	7.5
18X60	18	60	1.0	7.5





Standard Ratings

Rated Cap (F)	Size (mm)	Max. Internal Resistance (mΩ)		Max. LC (mA)	Stored Energy	Specific Energy			Specific Power		Max. Peak Current	Max. continuous current	Isc	Max. Weight	Part Number
		AC (1kHz, 1V)	DC			72hrs, 25°C	(Wh)	(Wh/kg)	(Wh/l)	Pd (W/kg)					
5	8X25	80	150	0.015	0.0063	2.8409	4.9736	3273	6818	4.29	0.5	20.00	2.2	PV3R0505M0825	
6	8X28	70	130	0.015	0.0075	3.2609	5.3288	3612	7525	5.06	0.6	23.08	2.3	PV3R0605M0828	
10	10X30	40	80	0.03	0.0125	3.6765	5.3052	3971	8272	8.33	1	37.50	3.4	PV3R0106M1030	
15	12.5X31.5	30	50	0.06	0.0188	3.9894	4.8504	4596	9574	12.86	1.5	60.00	4.7	PV3R0156M1232	
25	16X26	25	33	0.075	0.0313	4.1667	5.9779	4364	9091	20.55	2.5	90.91	7.5	PV3R0256M1626	
34	12.5X46	16	26	0.08	0.0425	5.0000	7.5287	4887	10181	27.07	3.4	115.38	8.5	PV3R0346M1246	
35	16X31.5	20	30	0.09	0.0438	5.1471	6.9078	4235	8824	25.61	3.5	100.00	8.5	PV3R0356M1632	
60	18X40	12	20	0.18	0.0750	4.6875	7.3683	3375	7031	40.91	6	150.00	16	PV3R0606M1840	
100	18X60	10	16	0.225	0.1250	5.6818	8.1870	3068	6392	57.69	10	187.50	22	PV3R0107M1860	

Note. If standard product does not meet your need, please contact us to enquire for customized one.

Part Numbering System

