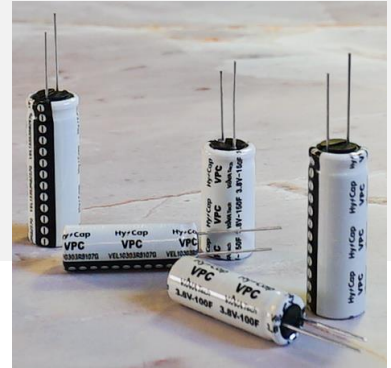


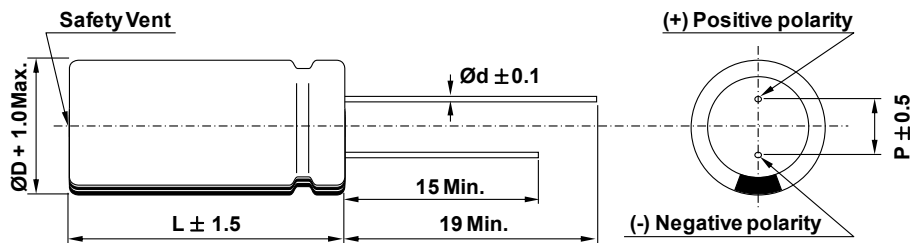
Features

VPC (Vina Pulse Capacitor)

- Low Self Discharge
- Wide Temperature Range
- High Operating Voltage
- High Capacitance



Drawing



D(Φ)	8	10, 13
d(Φ)	0.8	0.8
P(mm)	3.5	5.0

Specification

Items	Characteristics	
Rated Voltage (V _R)	3.8V	
Operating voltage	3.8V ~ 2.5V	
Surge voltage	4.0V	
Operating temperature	-25°C to +70°C	
Capacitance Tolerance	-10% +30%	
High Temperature Load Life	After 1,000 hours at V _R loaded at 70°C, capacitor shall meet the following limits	
	Capacitance change	≤ 30% of initial value
	ESR change	≤ 200% of initial spec. value
Projected cycle life	20,000 Cycle (100% DoD, at 25°C, cut-off voltage: 2.5V, C/D current: 20C)	
	Capacitance change	≤ 30% of initial value
	ESR change	≤ 200% of initial spec. value
Shelf life	3 Years (No electrical charge, Temperature below 25°C)	
	Capacitance change	≤ 10% of initial value
	ESR change	≤ 100% of initial spec. value

3.8V VPC Series - Lead terminal



Part Number	Capacitance (F) #1	Capacity (mAh)	ESR (mΩ)		Leakage Current (μA)	Rated Current (A)	Pulse Discharge Current (A) #2	Pulse Charge Current (A) #3	Max Charge Voltage (V)	Weight (g)
			AC	DC						
VEL08203R8306G	30	11	350	700	1	0.10	0.5	0.6	3.85	1.9±0.2
VEL08253R8506G	50	18	210	500	1	0.15	0.5	1.0	3.85	2.5±0.2
VEL10303R8107G	100	36	100	200	5	0.40	2.0	3.0	3.85	4.4±0.3
VEL10403R8157G	150	54	50	100	7	0.75	3.0	5.0	3.85	5.8±0.3
VEL13253R8157G	150	54	70	140	7	0.50	3.0	5.0	3.85	6.2±0.3
VEL13353R8257G	250	90	50	100	10	0.75	5.0	8.0	3.85	8.2±0.3

#1 : Reference IEC62813 4.2

#2 : 1sec. Discharge to 3.2V

#3 : If the charging voltage is continuously used at 3.85V, the lifespan is reduced by 10%

#4: Test condition: room temperature

WARNING : precautions must be taken to ensure that device leads are not shorted