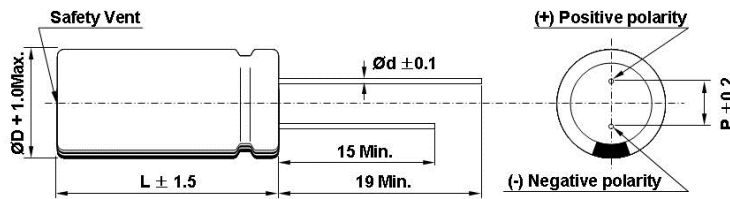




FEATURES

- Rated 3.0V
- High power density and low ESR
- Energy density increase by 23% compared with 2.7V caps
- Higher reliability at the same condition (longer life)

Drawing



D	8	10, 13	16, 18
d	0.6		0.8
P	3.5	5	7.5

SPECIFICATION

ITEM		CHARACTERISTICS	
Product series		EDLC	
Rated Voltage (V _R)		3.0 V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR Change	100% increase from specified value
85°C Higher Temperature		Max. working voltage at 2.3V	
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	100% increase from specified value	
	Condition	Cycle of Charge/discharge from V _R to 1/2V _R	
Shelf life		2years unchanged up to 70°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of initial value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)	Weight (g)	Volume (ml)
			AC(1kHz)	DC			D × L		
VEC 3R0 335 QG	3.0	3.3	50	100	3.5	0.010	08×20	1.4	1.0
VEC 3R0 505 QG		5	35	70	5.6	0.014	10×20	2.1	1.6
VEC 3R0 705 QG		7	30	60	7.3	0.020	10×20	2.2	1.6
VEC 3R0 106 QG		10	20	34	11.2	0.036	10×30	3.0	2.4
VEC 3R0 156 QG		15	25	45	13.4	0.055	13×25	4.5	3.1
VEC 3R0 256 QG		25	15	25	23.1	0.082	16×25	6.8	5.0
VEC 3R0 506 QG		50	10	18	39.5	0.126	18×40	11.3	10.2
VEC 3R0 606 QG		60	10	18	43.3	0.140	18×40	11.8	10.2

* Max. Current : 1 sec. discharge to 1/2V_R

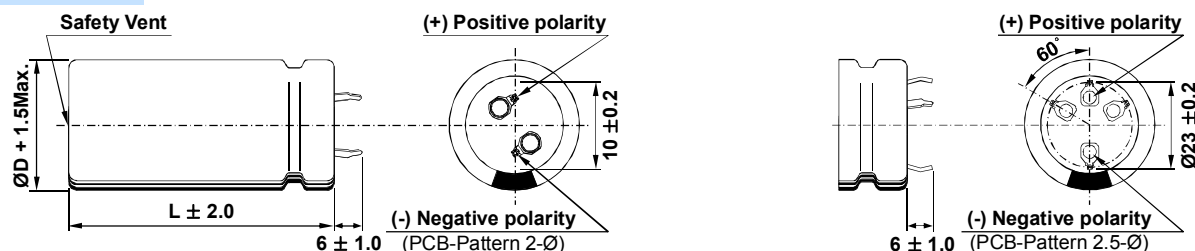
* When do module more than 2 series, please fully discharge over 1 hour first, then assemble right after within 1 hour.



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Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)	Weight (g)	Volume (ml)
			AC(1kHz)	DC			D × L		
VEC 3R0 107 QG	3.0	100	6.0	8.0	75.0	0.600	22×45	19.7	17.1
VEC 3R0 367 QG		360	3.0	3.2	250.9	1.680	35×60	54.1	57.7
VEC 3R0 407 QG		400	3.0	3.2	263.2	1.680	35×70	61.0	67.0
VEC 3R0 507 QA		500	3.0	3.2	288.5	1.955	35×80	80.0	76.9

* Max. Current : 1 sec. discharge to $1/2V_R$

* When do module more than 2 series, please fully discharge over 1 hour first, then assemble right after within 1 hour.