

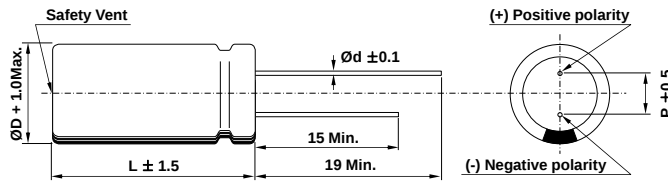


FEATURES

EDLC (Electric Double Layer Capacitor)

- High Power Density (Low ESR)
- Over 500,000 cycle life (semi-permanent)
- Short-term Peak Power assist applications
- RoHS compliant

Drawing



D	8	10, 13	16, 18
d	0.6		0.8
P	3.5	5.0	7.5

SPECIFICATION

ITEM		CHARACTERISTICS
Rated Voltage (V_R)		2.7 V
Operating Temperature		-40 ~ +65 °C
Capacitance Tolerance		-10 ~ +30%
High Temp. Load Life	Measure	After 1,000 hours at V_R loaded under +65 °C, capacitors meet the following criteria.
	Cap. Change	≤ 30% of initial value
	ESR Change	100% increase from specified value
85 °C Higher Temperature		Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000
	Cap. Change	≤ 30% of initial value
	ESR Change	100% increase from specified value
	Condition	Cycle of Charge/discharge from V_R to $1/2V_R$
Shelf Life		2years uncharged 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) D × L	Weight (g)	Volume (ml)
			AC(1kHz)	DC					
VEC 2R7 105 QG	2.7	1	90	150	1.2	0.002	08×13	1.1	0.7
VEC 2R7 335 QG		3.3	50	110	3.0	0.008	08×20	1.4	1.0
VEC 2R7 505 QG		5	35	70	5.0	0.012	10×20	2.1	1.6
VEC 2R7 505 QA		5	35	70	5.0	0.012	08×25	1.7	1.3
VEC 2R7 705 QG		7	30	65	6.5	0.020	10×20	2.2	1.6
VEC 2R7 106 QG		10	20	34	10.1	0.030	10×30	3.0	2.4
VEC 2R7 106 QA		10	20	34	10.1	0.030	10×25	2.9	2.0
VEC 2R7 156 QG		15	25	45	12.1	0.053	13×25	4.5	3.1
VEC 2R7 256 QG		25	15	25	20.8	0.068	16×25	6.8	5.0
VEC 2R7 506 QG		50	10	18	35.5	0.105	18×40	11.3	10.2
VEC 2R7 606 QG		60	10	18	47.1	0.105	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.

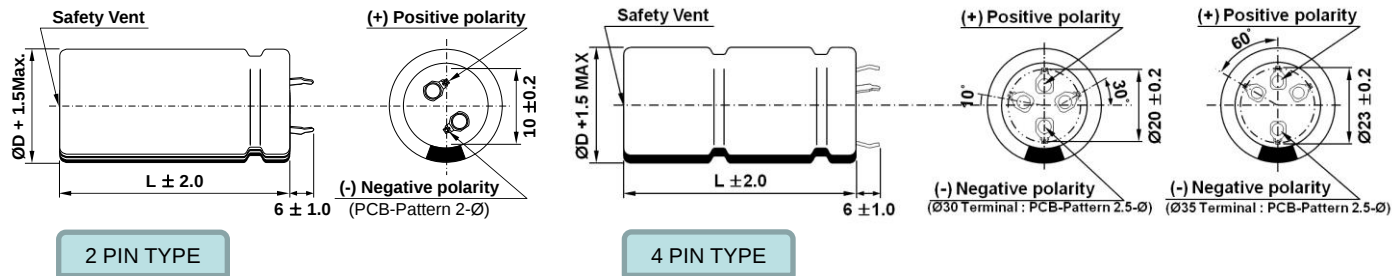


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※ $\Phi 22 \sim \Phi 33$: 2Pin ($\Phi 30$: 4Pin Available) ※ $\Phi 35$: 4Pin

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			AC(1kHz)	DC					
VEC 2R7 107 QG	2.7	100	6	10	67.5	0.500	22×45	19.7	17.1
VEC 2R7 227 QG		220	4.5	8	107.6	1.000	25×70	37.7	34.4
VEC 2R7 367 QG		360	3	3.2	225.8	1.400	35×60	57.4	57.7
VEC 2R7 407 QG		400	3	3.2	236.8	1.400	35×70	61.0	67.7
VEC 2R7 507 QG		500	3	3.2	259.6	1.750	35×80	76.4	77.0

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