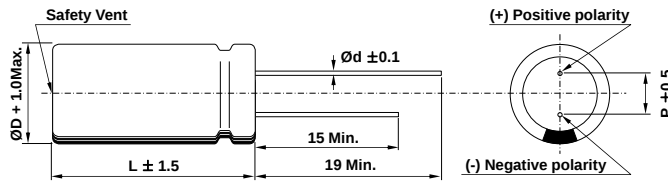


FEATURES

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)		2.5 V
Operating Temperature		-25 ~ +70 °C
Capacitance Tolerance		-10 ~ +30%
High Temp. Load Life	Measure	After 1,000 hours at V_R loaded under +70 °C, capacitors meet the following criteria.
	Cap. Change	$\leq 30\%$ of initial value
	ESR Change	100% increase from specified value
85 °C Higher Temperature		Max. 2.1V
Cycle Life Characteristics	Cycle	Over 500,000
	Cap. Change	$\leq 30\%$ 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 ($\Delta C : \leq 10\%$ of initial value / $\Delta ESR : \leq 50\%$ 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 2R5 105 QG	2.5	1	250	420	0.9	0.003	08×13	1.2	0.7
VEC 2R5 335 QG		3.3	140	350	1.8	0.008	08×20	1.7	1.0
VEC 2R5 505 QG		5	110	270	2.7	0.012	10×20	2.2	1.6
VEC 2R5 505 QA		5	120	280	2.6	0.012	08×25	2.1	1.3
VEC 2R5 106 QG		10	65	150	5.0	0.027	10×30	3.2	2.4
VEC 2R5 106 QD		10	65	150	5.0	0.027	10×25	3.1	2.0
VEC 2R5 156 QG		15	60	130	6.4	0.035	13×25	4.5	3.1
VEC 2R5 256 QG		25	35	100	8.9	0.060	16×25	7.6	5.0
VEC 2R5 306 QG		30	35	70	12.1	0.070	16×30	8.5	6.0
VEC 2R5 606 QG		60	20	50	18.8	0.120	18×40	13.7	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.

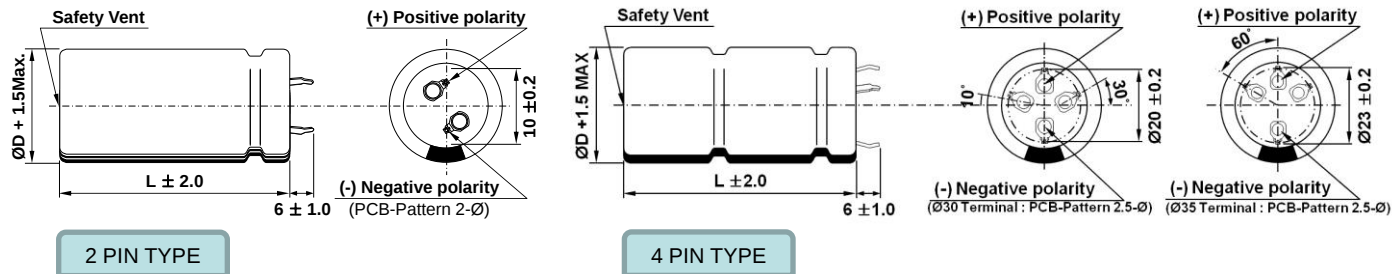


FEATURES

EDLC (Electric Double Layer Capacitor)

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Drawing



※ Φ22~Φ33 : 2Pin (Φ30 : 4Pin Available) ※ Φ35 : 4Pin

SPECIFICATION

ITEM		CHARACTERISTICS
Rated Voltage (V_R)		2.5 V
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Cycle Life Characteristics	Cycle	Over 500,000
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	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 2R5 127 QG	2.5	120	18	30	32.6	0.240	22×45	22.1	17.1
VEC 2R5 227 QG		220	14	25	42.3	0.400	25×60	37.9	29.5
VEC 2R5 367 QG		360	6	12	84.6	0.900	35×60	70.6	57.7
VEC 2R5 407 QG		400	6	12	86.2	0.950	35×70	75.0	67.3
VEC 2R5 507 QG		500	5	11	96.2	1.150	35×80	82.3	77.0

* 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.