

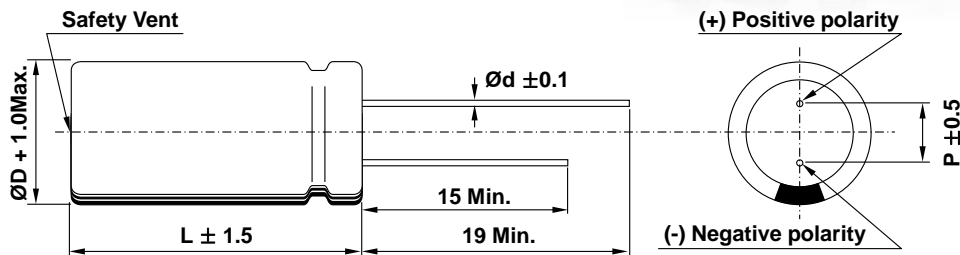
## FEATURES

### 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	
Product series	EDLC	
Rated Voltage ( $V_R$ )	2.7V	
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	$\leq 30\%$ of initial value
	ESR	$\leq 2$ times of specified value
Cycle Life	Over 500,000	
Characteristics	$\Delta C$	$\leq 30\%$ of initial value
	ESR	$\leq 2$ times of specified value
	Method	Cycle of Charge/discharge from $V_R$ to $1/2V_R$
Shelf Life	2 Years	
	No Electrical Charge, Temperature below 70°C	
	( $\Delta C : \leq 10\%$ of initial value / $\Delta ESR : \leq 50\%$ of initial value)	

## 2.7V SERIES - Lead terminal

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D × L
VEC 2R7 105 QG	2.7	1	130	195	1.0	0.002	08 × 13
VEC 2R7 155 QG		1.5	75	115	1.5	0.003	08 × 20
VEC 2R7 205 QG		2	65	100	2.0	0.004	08 × 16
VEC 2R7 335 QG		3.3	60	90	3.0	0.007	08 × 20
VEC 2R7 405 QG		4	45	70	4.0	0.008	08 × 22
VEC 2R7 505 QA		5	35	55	5.0	0.010	08 × 25
VEC 2R7 505 QG		5	55	85	4.5	0.010	10 × 20
VEC 2R7 705 QD		7	50	75	6.0	0.014	08 × 30
VEC 2R7 705 QG		7	55	85	5.5	0.014	10 × 20
VEC 2R7 106 QA		10	45	70	7.5	0.020	10 × 25
VEC 2R7 106 QG		10	40	60	8.0	0.020	10 × 30
VEC 2R7 106 QC		10	35	55	8.5	0.020	13 × 20
VEC 2R7 156 QG		15	25	40	12.5	0.030	13 × 25
VEC 2R7 186 QC		18	25	40	14.0	0.036	13 × 25
VEC 2R7 386 QG		38	15	25	26.0	0.076	13 × 46
VEC 2R7 406 QC		40	15	25	27.0	0.080	13 × 46
VEC 2R7 256 QG		25	20	30	19.0	0.050	16 × 25
VEC 2R7 346 QA		34	15	25	24.5	0.068	18 × 30
VEC 2R7 506 QG		50	12	20	33.5	0.100	18 × 40
VEC 2R7 606 QG		60	12	20	36.5	0.120	18 × 40
VEC 2R7 107 QD	100	10	16	51.5	0.200	18 × 60	

\* **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.**

# 2.7V SERIES – Snap-in terminal

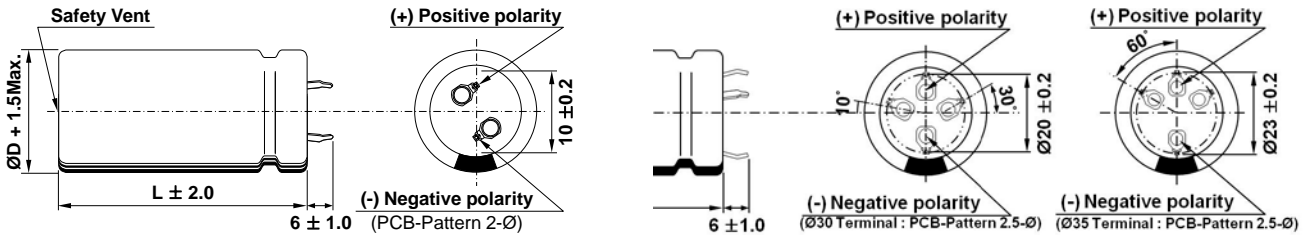
## FEATURES

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- High Power Density (Low ESR)
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## Drawing



## SPECIFICATION

ITEM	CHARACTERISTICS
Product series	EDLC
Rated Voltage ( $V_R$ )	2.7V
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 $\leq 30\%$ of initial value ESR $\leq 2$ times of specified value
Cycle Life Characteristics	Cycle Over 500,000
	$\Delta C \leq 30\%$ of initial value
	ESR $\leq 2$ times of specified value
Method	Cycle of Charge/discharge from $V_R$ to $1/2V_R$
Shelf Life	2 Years
	No Electrical Charge, Temperature below 70°C ( $\Delta C : \leq 10\%$ of initial value / $\Delta ESR : \leq 50\%$ of initial value)

## 2.7V SERIES – Snap-in terminal

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D × L
VEC 2R7 107 QG	2.7	100	6.0	10.0	65.0	0.300	22×45
VEC 2R7 227 QG		220	4.5	8.0	105.0	0.660	25×70
VEC 2R7 367 QG		360	3.0	4.5	185.0	1.080	35×62
VEC 2R7 407 QG		400	3.0	4.5	190.0	1.500	35×72
VEC 2R7 507 QG		500	3.0	4.5	205.0	2.000	35×82

\* **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.**