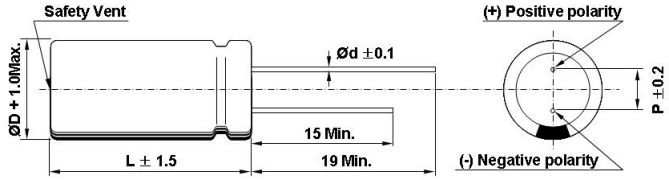
2.7V SERIES - Lead terminal

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	16, 18
d	0.6		0.8
P	4	5.5	8

SPECIFICATION

ITEM		CHARACTERISTICS	
Product series		EDLC	
Rated Voltage (V_R)		2.7 V	
Operating Temperature		-40 ~ +65℃	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V_R loaded under +65℃, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR Change	≤ 2 times of specified value
85℃ Higher Temperature		Max. working voltage at 2.1V	
Temperature Characteristics	Measure	at -40, +25, +65℃	
	△C	≤ 5% of initial value	
	ESR	≤ 2 times of specified value	
Cycle Life Characteristics	Cycle	Over 500,000	
	△C	≤ 30% of initial value	
	ESR	≤ 2 times of specified value	
	Method	Cycle of Charge/discharge from V_R to $1/2V_R$	
Shelf Life		After 1,000 hours storage at +65℃ without load, capacitors meet the criteria of high temp. load life above.	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)	Weight (g)	Volume (mℓ)	Energy Density (Wh/L)
			AC(1㎑)	DC			D × L			
VEC 2R7 155 QG	2.7	1.5	50	65	1.8	0.003	08×20	1.4	1.0	1.5
VEC 2R7 305 QG		3	50	65	3.3	0.008	08×20	1.4	1.0	3.0
VEC 2R7 405 QG		4	30	40	4.6	0.009	10×25	2.5	2.0	2.0
VEC 2R7 505 QA		5	35	45	5.5	0.012	08×25	1.7	1.3	3.9
VEC 2R7 505 QG		5	35	45	5.5	0.012	10×20	2.1	1.6	3.2
VEC 2R7 705 QG		7	30	40	7.3	0.020	10×20	2.2	1.6	4.5
VEC 2R7 106 QG		10	20	26	10.7	0.030	10×30	3.0	2.4	4.3
VEC 2R7 156 QG		15	25	33	13.5	0.053	13×25	4.5	3.1	4.9
VEC 2R7 256 QG		25	15	20	22.5	0.068	16×25	6.8	5.0	5.0
VEC 2R7 506 QG		50	10	15	38.5	0.105	18×40	11.3	10.2	5.0

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

Vina Tech Co., Ltd. Tel : +82 31 455 3064 E-mail : hycap@vina.co.kr Web : www.vina.co.kr

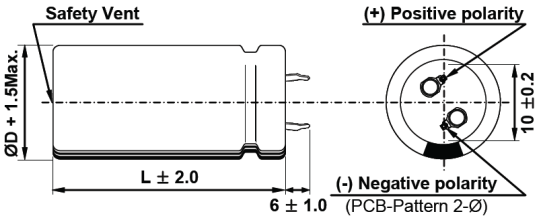
2.7V SERIES - Lug terminal

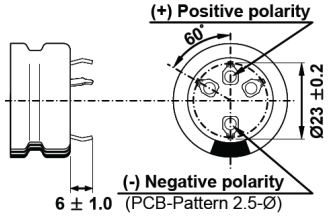
FEATURES

EDLC (Electric Double Layer Capacitor)

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

Drawing





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			AC(1㎑)	DC			D × L			
VEC 2R7 107 QG	2.7	100	6.0	8.0	75.0	0.5	22×45	19.7	17.1	5.9
VEC 2R7 227 QG		220	4.5	5.8	130.4	1.0	25×70	37.7	34.3	6.5
VEC 2R7 357 QG		350	3.0	3.5	212.3	1.4	35×60	54.1	57.7	6.1

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

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