

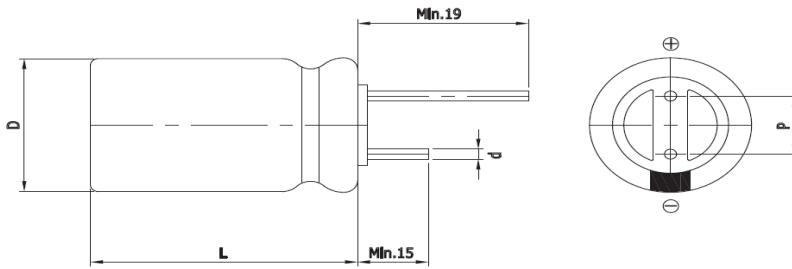
Features

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 (Φ)	10.0 +1.0Max
L (mm)	20.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	5.0±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		3.0V	
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	≤ 2 times of specified value
		85°C Temperature	Max. 2.4V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 times of specified value	
	Method	Cycle of Charge/discharge from V _R to 1/2V _R	
Shelf Life		3 Years	
		No Electrical Charge, Temperature below 25°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)		Size (mm) D x L
			AC(1kHz)	DC		@2.7V	@3.0V	
VEC 3R0 505 QG	3.0	5	65	100	5.0	0.010	0.015	10 x 20

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

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