

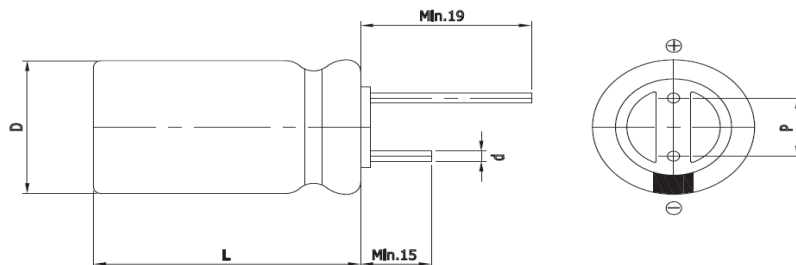
## Features

### EDLC (Electric Double Layer Capacitor)

- High Power Density
- Over 500,000 cycle life (semi-permanent)
- Short-term Peak Power assist applications
- RoHS compliant
- Long-term reliability improved at high temperature and humidity



## Drawing



D (Φ)	10. +1.0 Max
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 ( $V_R$ )	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	≤ 30% of initial value
	ESR	≤ 2 times of specified value
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	2 Years No Electrical Charge, Temperature below 70°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)
			AC(1kHz)	DC			D x L
WEC 2R7 505 QG	2.7	5	65	100	4.5	0.010	10 x 20

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

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