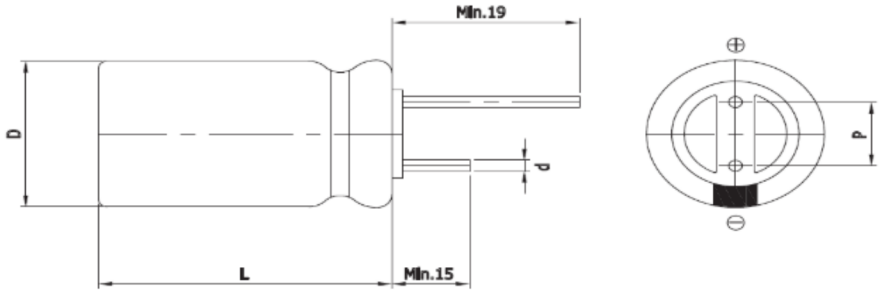
3.0V 7F (1020)

Features

EDLC (Electric Double Layer Capacitor)

- High Power Density
- Over 500,000 cycle life (semi-permanent)
- Higher energy density compared with 2.7V caps
- RoHS compliant
- Long-term reliability improved at high temperature and humidity

Drawing



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

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V_R)		3.0V	
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	≤ 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		2 Years No Electrical Charge, Temperature below 70℃ (△C : ≤ 10% of initial value / △ESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (㎃, 72hr)	Size (㎜)
			AC(1㎑)	DC			D x L
WEC 3R0 705 QG	3.0	7	80	135	5.0	0.021	10 x 20

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

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