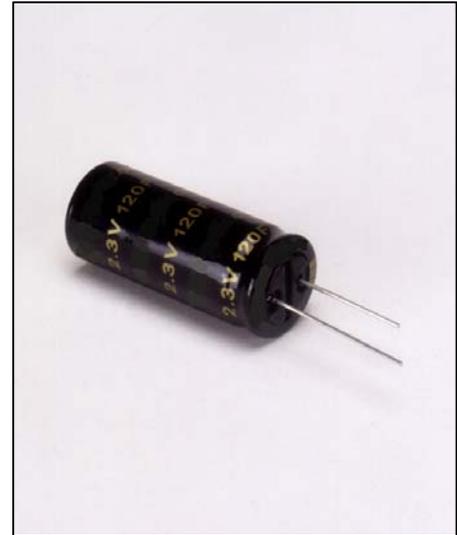
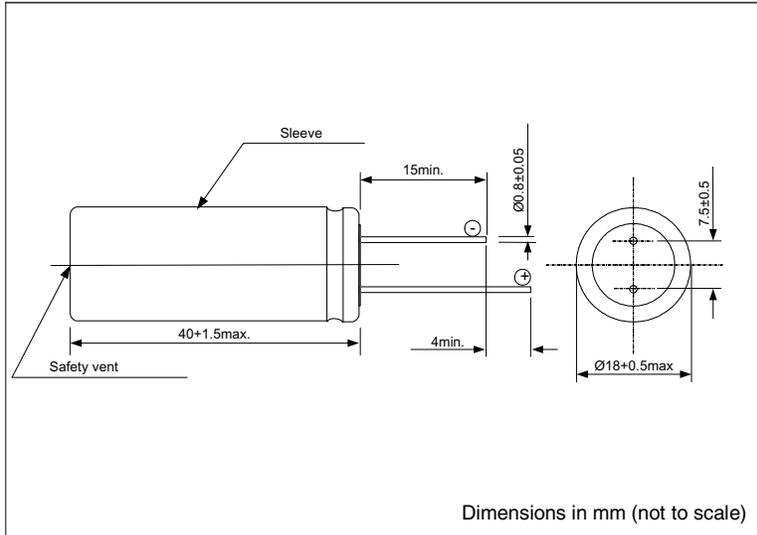


# NESSCAP 120F/2.3V

**PSHLR-0120C0-002R3**

## ■ Features

- Cylindrical cell
- Radial lead terminals



## ■ Specifications

Rated Capacitance, C (DCC <sup>(1)</sup> , 25°C)	120 Farads	(1) Discharging with constant current	
Capacitance Tolerance	-10% / +20%		
Rated Voltage, V <sub>R</sub>	2.3 V		
Surge Voltage	2.5 V		
Rated Current (25°C)	0.1 A	About 30 min discharge rate from 2.3V to 0.9V	
Max. Current-continuous (25°C)	3.0 A	40sec discharge current from V <sub>R</sub> to 0.5 V <sub>R</sub>	
Max. Stored Energy (at V <sub>R</sub> )	317.4 J (0.088 Wh)		
Specific Energy	Gravimetric	5.2 Wh/kg	
	Volumetric	8.6 Wh/l	
Specific Power <sup>(2)</sup> (at matched load)	Gravimetric	2.6 kW/kg	(2) Power density at which one-half the energy of the discharge is in the form of electricity and one-half is in heat.
	Volumetric	4.3 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	20 mΩ	
	DC (11A)	30 mΩ	
Dimensions	φ 18 x / 40 mm		
Volume	10.2 ml		
Weight	17 g		
Operating temperature range <sup>(3)</sup>	-25 ~ 60 °C	(3) ••C•< 30% and ESR < 5 times of initially measured value at 25°C, respectively	
Storage temperature range	-30 ~ 70 °C		
Max. Leakage Current, L <sub>C</sub> (72h, 25°C)	650 μA		
Life Time at RT <sup>(4)</sup>	10 years	(4) ••C•< 30% and ESR < three times of initially measured value, respectively and LC < specified value	
Cycle Life (25°C) <sup>(4),(5)</sup>	100,000 cycles	(5) 1 cycle: charging to V <sub>R</sub> for 40s, constant voltage charging for 10s, discharging to 1/2V <sub>R</sub> for 40s, rest for 10s	

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