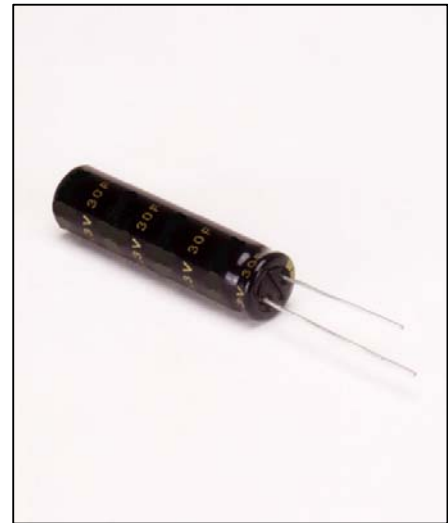
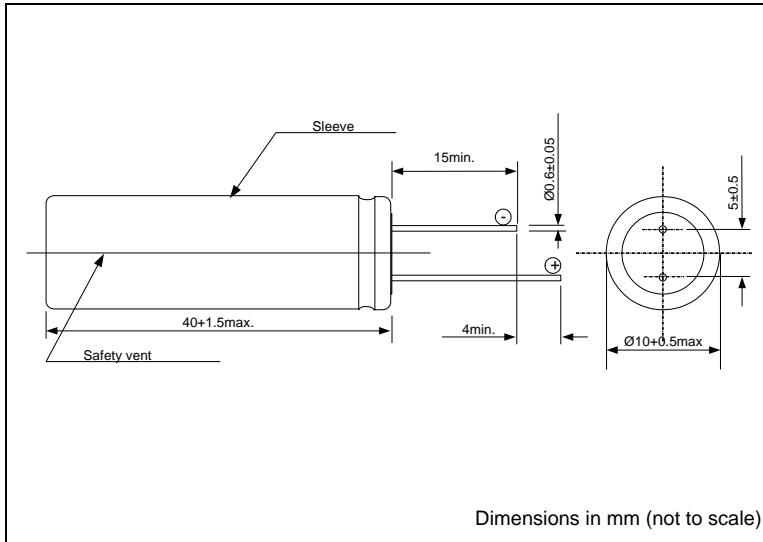


NESSCAP 30F/2.3V

PSHLR-0030C0-002R3

■ Features

- Cylindrical cell
- Radial lead terminals



■ Specifications

Rated Capacitance, C (DCC⁽¹⁾, 25°C)		30 Farads	(1) Discharging with constant current
Capacitance Tolerance		-10% / +20%	
Rated Voltage, V_R		2.3 V	
Surge Voltage		2.5 V	
Rated Current (25°C)		0.025 A	About 30 min discharge rate from 2.3V to 0.9V
Max. Current (25°C)		0.75 A	40sec discharge current from V_R to 0.5 V_R
Max. Stored Energy (at V_R)		79.4J (0.022 Wh)	
Specific Energy	Gravimetric	4.4 Wh/kg	
	Volumetric	7.1 Wh/l	
Specific Power⁽²⁾ (at matched load)	Gravimetric	5.9 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	9.5 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	35 mΩ	
	DC (2.8A)	50 mΩ	
Dimensions		φ10 x / 40 mm	
Volume		3.1 ml	
Weight		5.0 g	
Operating temperature range⁽³⁾		-25 ~ 60 °C	(3) ΔC < 30% and ESR < 5 times of initially measured value at 25°C, respectively
Storage temperature range		-30 ~ 70 °C	
Max. Leakage Current, L_C(72h, 25°C)		350 μA	
Life Time at RT⁽⁴⁾		10 years	(4) ΔC < 30% and ESR < three times of initially measured value, respectively and LC < specified value
Cycle Life (25°C)^{(4), (5)}		100,000 cycles	(5) 1 cycle: charging to V_R for 40s, constant voltage charging for 10s, discharging to 1/2V_R for 40s, rest for 10s

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