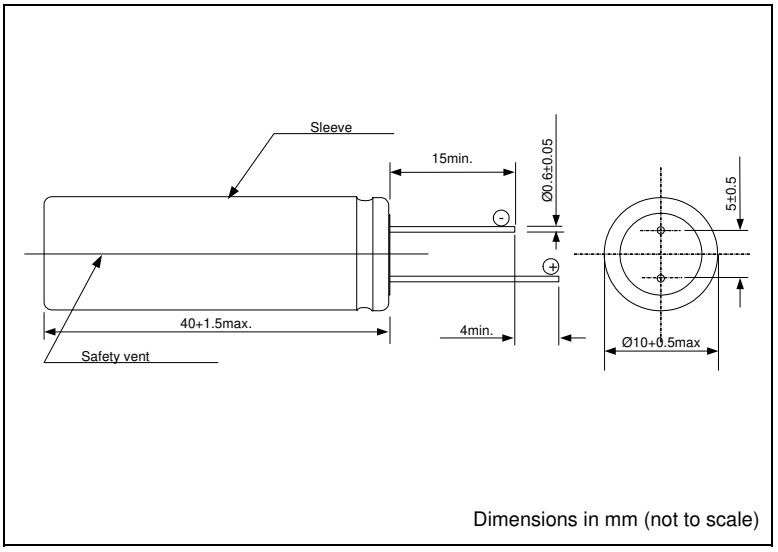
NESSCAP 30F/ 2.3V

PSHLR-0030C0-002R3

■ Features

- Cylindrical cell
- Radial lead terminals



Dimensions in mm (not to scale)

■ 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) $\lvert\Delta C\rvert$ < 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) $\lvert\Delta C\rvert$ < 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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