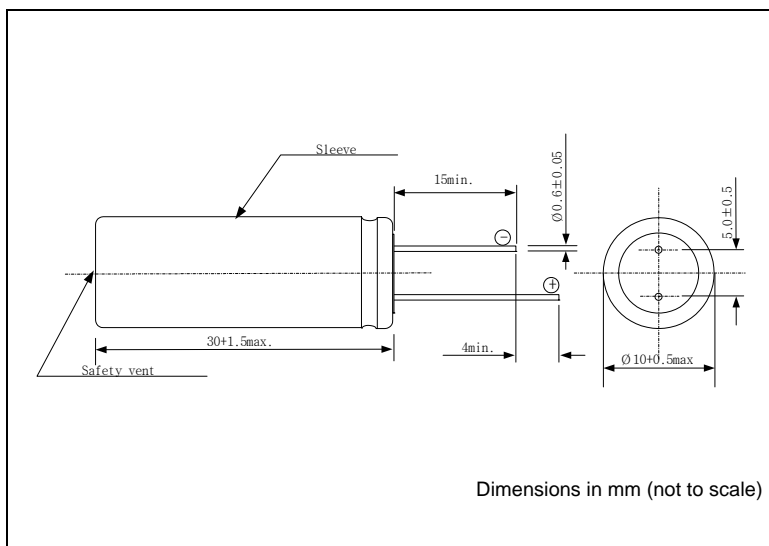


NESSCAP 20F/2.3V

PSHLR-0020C0-002R3

■ Features

- Cylindrical cell
- Radial lead terminals



■ Specifications

Rated Capacitance, C (DCC ⁽¹⁾ , 25°C)		20 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)		0.016 A	About 30 min discharge rate from 2.3V to 0.9V
Max. Current-continuous (25°C)		0.5 A	40sec discharge current from V _R to 0.5 V _R
Max. Stored Energy (at V _R)		52.9J (0.0147Wh)	
Specific Energy	Gravimetric	3.7 Wh/kg	
	Volumetric	6.2 Wh/l	
Specific Power ⁽²⁾ (at matched load)	Gravimetric	6.6 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	11.0 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	40 mΩ	
	DC (1.8A)	55 mΩ	
Dimensions		φ 10 x / 30 mm	
Volume		2.4 ml	
Weight		4.0 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 (12h, 25°C)		300 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