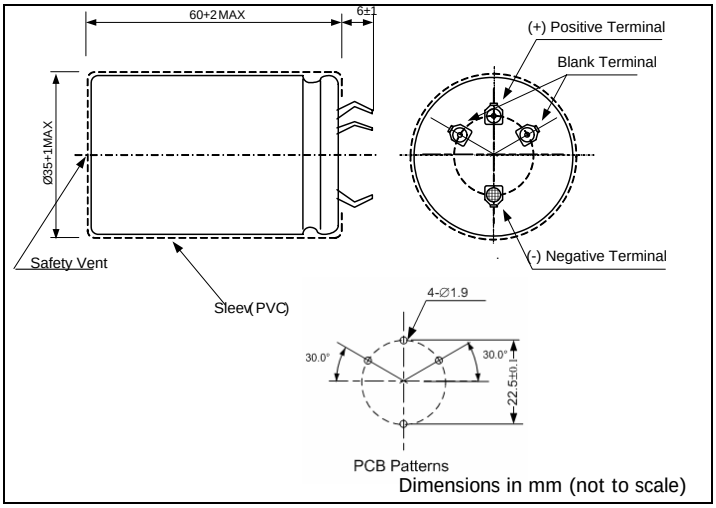
NESSCAP 400F/2.7V

ESHSR-0400C0-002R7

■ Features

- Cylindrical cell
- Radial lead terminals



CAUTION

Use the blank terminals for mechanical support only

The blank terminals must not be connected any copper on PCB

Be sure to electrically isolate from negative the positive terminals.

■ Specifications

Rated Capacitance, C (DCC[1], 25°C)		400 Farads	(1) Discharging with constant current
Capacitance Tolerance		-10% / +10%	
Rated Voltage, V_R		2.7 V	
Surge Voltage		2.85 V	
Rated Current (25°C)[2]		81 A	(2) 5 sec discharge rate to 1/2 V_R
Max. Current (25°C)[3]		> 202 A	(3) 1 sec discharge rate to 1/2 V_R
Max. Stored Energy (at V_R)		1,458J (0.405Wh)	
Specific Energy	Gravimetric	6.23 Wh/kg	
	Volumetric	6.98 Wh/l	
Specific Power[4] (at matched load)	Gravimetric	5.34 kW/kg	(4) Power density at which one-half the energy of the discharge is in the form of electricity and one-half is in heat.
	Volumetric	5.99 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	3.2 mΩ	
	DC (20A)	4.2 mΩ	
Dimensions		ϕ35 x /60 mm	
Volume		58 ml	
Weight		65 g	
Operating temperature range[5]		-40 ~ 60 °C	(5) C < 20% and ESR < 2 times of initially measured value at 25°C, respectively
Storage temperature range		-40 ~ 70 °C	
Max. Leakage Current, L_C(72h, 25°C)		1.0 mA	
Life Time at RT [6]		10 years	(6) C < 30% and ESR < 2 times of initially measured value, respectively and LC < specified value
Cycle Life (25°C)[6], [7]		500,000 cycles	(7) 1 cycle: charging to V_R for 20s, constant voltage charging for 10s, discharging to 1/2V_R for 20s, rest for 10s

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