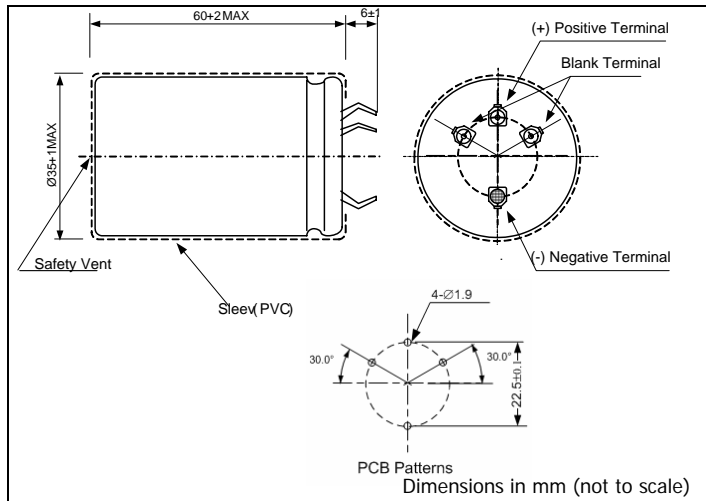


NESSCAP 400F/2.7V

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		Ø 35 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, I_L(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