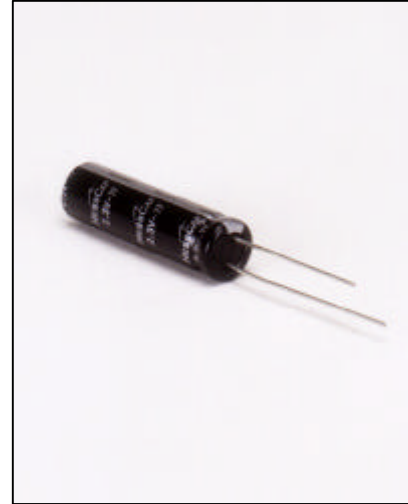
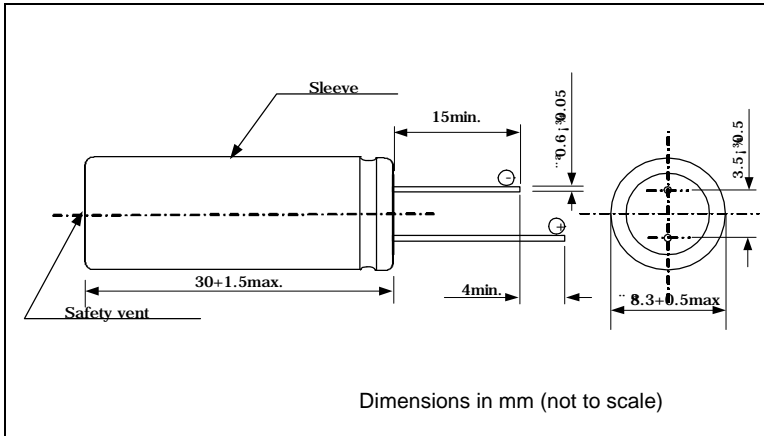


NESSCAP 7F/2.3V

ESLLR-0007C0-002R3

■ Features

- Cylindrical cell
- Radial lead terminals



■ Specifications

Rated Capacitance, C (DCC⁽¹⁾, 25°C)		7 Farads	(1) Discharging with constant current
Capacitance Tolerance		-10% / +20%	
Rated Voltage, V_R		2.3 V	
Surge Voltage		2.7 V	
Rated Current (25°C)⁽²⁾		1.5 A	(2) 5 sec discharge rate to 1/2 V_R
Max. Current (25°C)⁽³⁾		> 5.2 A	(3) 1 sec discharge rate to 1/2 V_R
Max. Stored Energy (at V_R)		18.52J (0.0051Wh)	
Specific Energy	Gravimetric	2.04 Wh/kg	
	Volumetric	3.4 Wh/l	
Specific Power⁽⁴⁾ (at matched load)	Gravimetric	6.61 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	11.02 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	60 mW	
	DC (0.6A)	80 mW	
Dimensions		∅ 8 x l 30 mm	
Volume		1.5 ml	
Weight		2.5 g	
Operating temperature range⁽⁵⁾		-40 ~ 60 °C	(5) ½DC½ < 20% and ESR < 2 times of initially measured value at 25°C, respectively
Storage temperature range		-40 ~ 70 °C	
Max. Leakage Current, L_C(12h, 25°C)		850 mA	
Life Time at RT⁽⁶⁾		10 years	(6) ½DC½ < 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