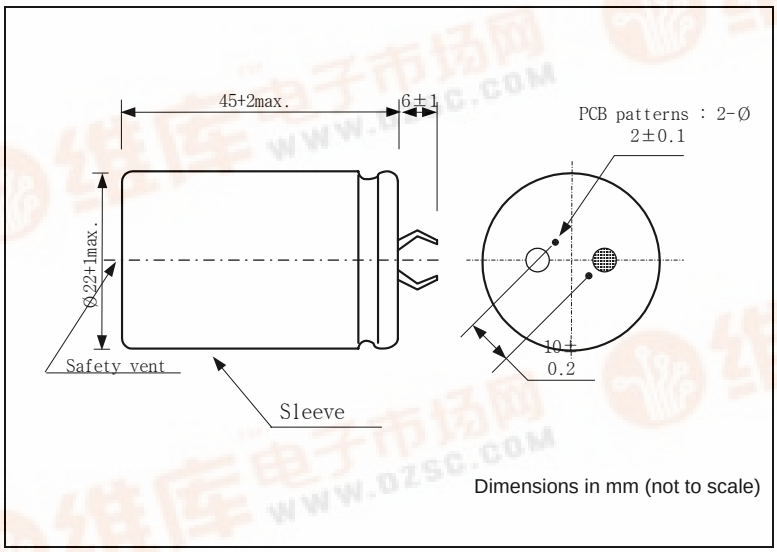
NESSCAP 100F/2.7V

ESHSR-0100C0-002R7

■ Features

- Cylindrical cell
- Snap-in terminals



Dimensions in mm (not to scale)

■ Specifications

Rated Capacitance, C (DCC[1], 25°C)		100 Farads	(1) Discharging with constant current
Capacitance Tolerance		-10% / +20%	
Rated Voltage, V_R		2.7 V	
Surge Voltage		2.85 V	
Rated Current (25°C)[2]		21.4 A	(2) 5 sec discharge rate to 1/2 V_R
Max. Current (25°C)[3]		> 58.7 A	(3) 1 sec discharge rate to 1/2 V_R
Max. Stored Energy (at V_R)		364.5J (0.1013 Wh)	
Specific Energy	Gravimetric	4.50 Wh/kg	
	Volumetric	5.92 Wh/l	
Specific Power[4] (at matched load)	Gravimetric	6.23 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	8.20 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	10 mΩ	
	DC (11A)	13 mΩ	
Dimensions		ϕ22 x / 45 mm	
Volume		17.1 ml	
Weight		22.5 g	
Operating temperature range[5]		-40 ~ 60 °C	(5) $\|\Delta C\|$ < 20% and ESR < 2 times of initially measured value at 25°C, respectively
Storage temperature range		-40 ~ 70 °C	
Max. Leakage Current, L_C(12h, 25°C)		1.7 mA	
Life Time at RT [6]		10 years	(6) $\|\Delta C\|$ < 30% and ESR < 2 times of initially measured value, respectively and LC < specified value (7) 1 cycle: charging to V_R for 20s, constant voltage charging for 10s, discharging to 1/2V_R for 20s, rest for 10s
Cycle Life (25°C)[6], [7]		500,000 cycles	