Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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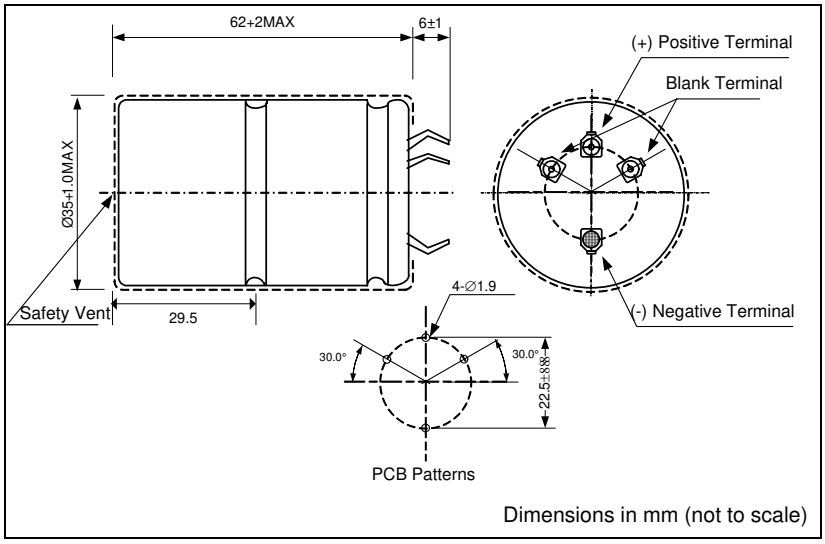
NESSCAP 400F/ 2.7V

ESHSR-0400C0-002R7

■ Features

- Cylindrical cell
- Snap-in terminals



■ Specifications

Rated Capacitance, C (DCC[1], 25℃)		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℃)[2]		86 A	(2) 5 sec discharge rate to 1/2 V_R
Max. Current (25℃)[3]		> 237 A	(3) 1 sec discharge rate to 1/2 V_R
Max. Stored Energy (at V_R)		1,458J(0.4050Wh)	
Specific Energy	Gravimetric	6.04 Wh/kg	
	Volumetric	6.75 Wh/l	
Specific Power[4] (at matched load)	Gravimetric	8.50 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	9.49 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	3.2 mΩ	
	DC (20A)	3.2 mΩ	
Dimensions		ϕ35 x 62 mm	
Volume		60 ml	
Weight		67 g	
Operating temperature range[5]		-40 ~ 65 ℃	(5) $\lvert\Delta C\rvert$ < 20% and ESR < 2 times of initially measured value at 25℃, respectively
Storage temperature range		-40 ~ 70 ℃	
Max. Leakage Current, L_C(72h, 25℃)		1.2 mA	
Life Time at RT[6]		10 years	(6) $\lvert\Delta C\rvert$ < 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℃)[6], [7]		500,000 cycles	

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