



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!



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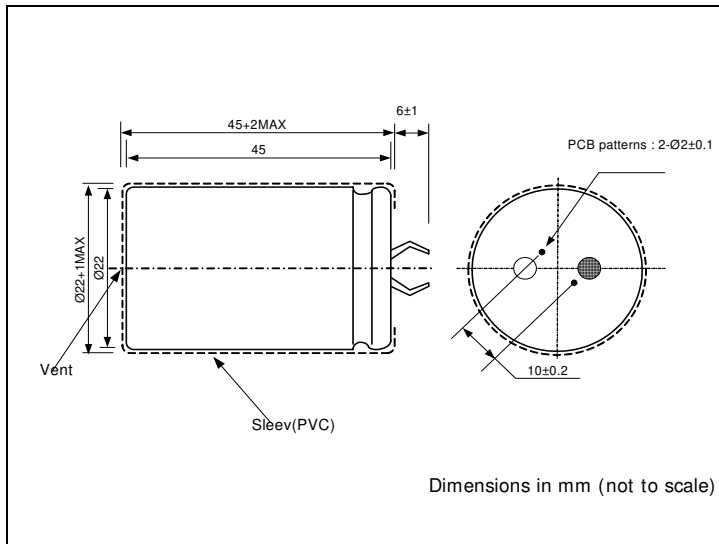


NESSCAP 220F/ 2.3V

PSHLR-0220C0-002R3

■ Features

- Cylindrical cell
- Radial lead terminals



■ Specifications

Rated Capacitance, C (DCC ⁽¹⁾ , 25°C)		220 Farads	(1) Discharging with constant current
Capacitance Tolerance		-10% / + 20%	
Rated Voltage, V _R		2.3 V	
Surge Voltage		2.5 V	
Rated Current (25°C)		0.17 A	About 30 min discharge rate from 2.3V to 0.9V
Max. Current-continuous (25°C)		6.3 A	40sec discharge current from V _R to 0.5 V _R
Max. Stored Energy (at V _R)		581.9J (0.1616Wh)	
Specific Energy	Gravimetric	6.46 Wh/ kg	
	Volumetric	9.45 Wh/ l	
Specific Power ⁽²⁾ (at matched load)	Gravimetric	2.65 kW/ kg	(2) Power density at which one-half the energy of the discharge is in the form of electricity and one-half is in heat.
	Volumetric	3.87 kW/ l	
Maximum Internal Resistance (ESR)	AC (1kHz)	15 mΩ	
	DC (20A)	20 mΩ	
Dimensions		φ 22 x / 45 mm	
Volume		17.1 ml	
Weight		25 g	
Operating temperature range ⁽³⁾		-25 ~ 60 °C	(3) C < 30% and ESR < 5 times of initially measured value at 25°C, respectively
Storage temperature range		-30 ~ 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 < 3 times of initially measured value, respectively and LC < specified value
Cycle Life (25°C) ^{(6), (7)}		100,000 cycles	(7) 1 cycle: charging to V _R for 40s, constant voltage charging for 10s, discharging to 1/2V _R for 40s, rest for 10s